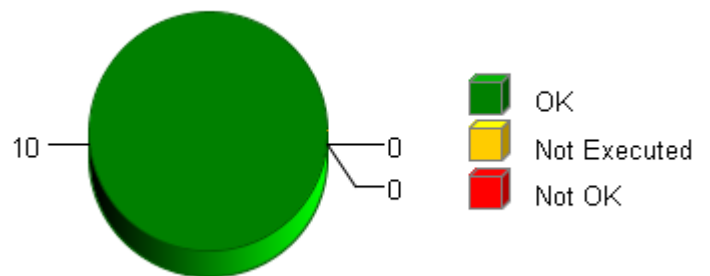


## Summary

**Total Test Objects:** 10  
**Successful:** 10  
**Failed:** 0  
**Not Executed:** 0  
**Date:** 2015-06-29  
**Time:** 19:19:40+0530

## Overall Test Object Results (including Coverage)



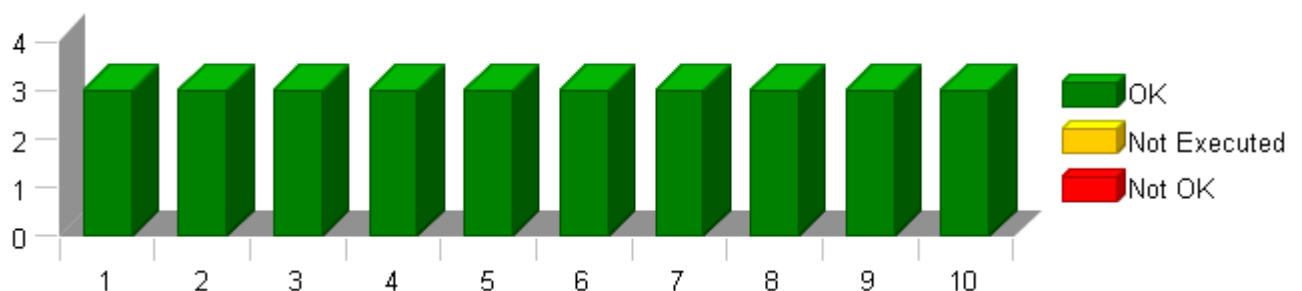
## Selected Project Items

Test Object "CBD\_UnitTest/EOTActuatorMng/EOTActuatorMng\_Per1"  
 Test Object "CBD\_UnitTest/EOTActuatorMng/EOTDetermination"  
 Test Object "CBD\_UnitTest/EOTActuatorMng/EOTOrigImpact"  
 Test Object "CBD\_UnitTest/EOTActuatorMng/SES\_CalcEnterGain"  
 Test Object "CBD\_UnitTest/EOTActuatorMng/SES\_CalcEOTDamp"  
 Test Object "CBD\_UnitTest/EOTActuatorMng/SES\_CalcEOTGain"  
 Test Object "CBD\_UnitTest/EOTActuatorMng/SES\_CalcExitGain"  
 Test Object "CBD\_UnitTest/EOTActuatorMng/SES\_DetLmtPos"  
 Test Object "CBD\_UnitTest/EOTActuatorMng/SES\_FiltEOTGain"  
 Test Object "CBD\_UnitTest/EOTActuatorMng/SES\_StateCtrl"

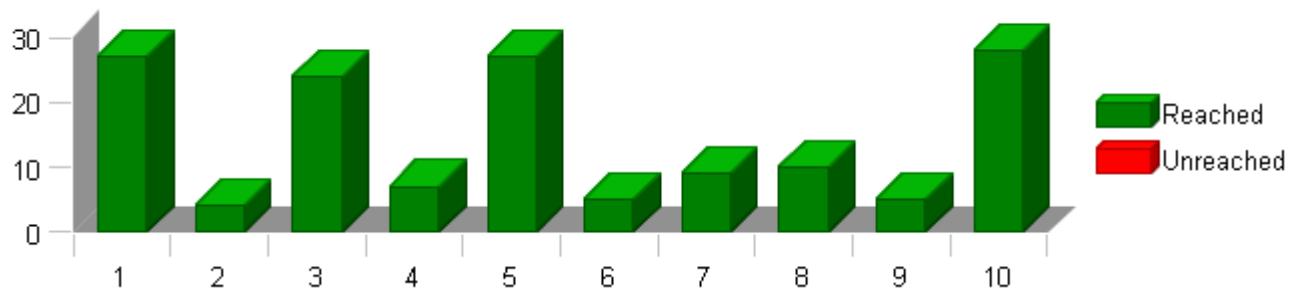
## Used Test Environments

TI TMS 570 PLS UDE (Default)

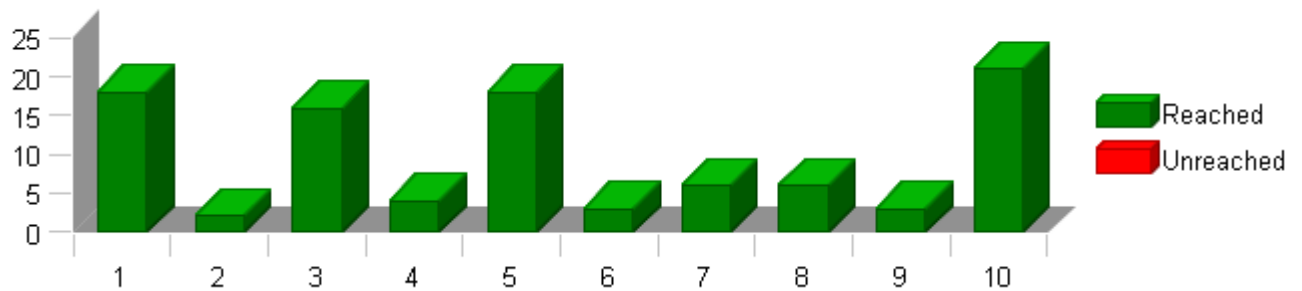
## Test Case Results for Each Test Object (without Coverage)



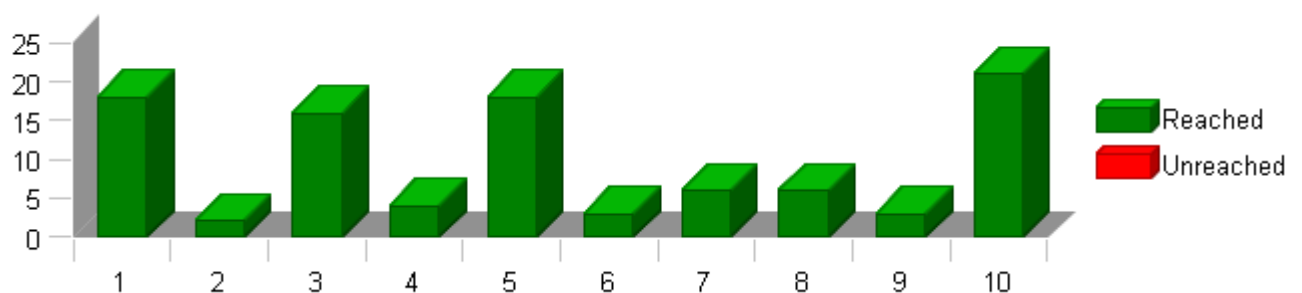
The table above shows each test object on the x axis and the number of test cases of the respective test object on the y axis. Each bar is divided into passed, not executed and failed test cases. The test case results do not take into account any coverage result (i.e. if all test cases of a test object 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**

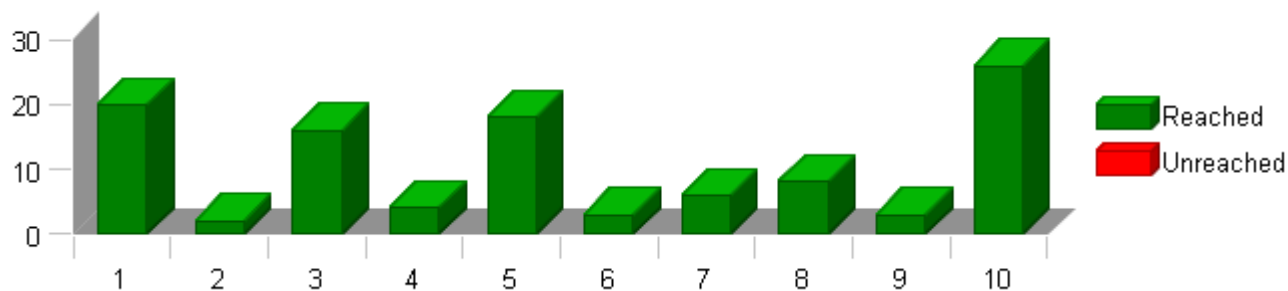
The table above shows each test object on the x axis and the number of branches of the respective test object on the y axis. Each bar is divided into reached branches (i.e. branches that have been executed during the test) and unreached branches.

**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.

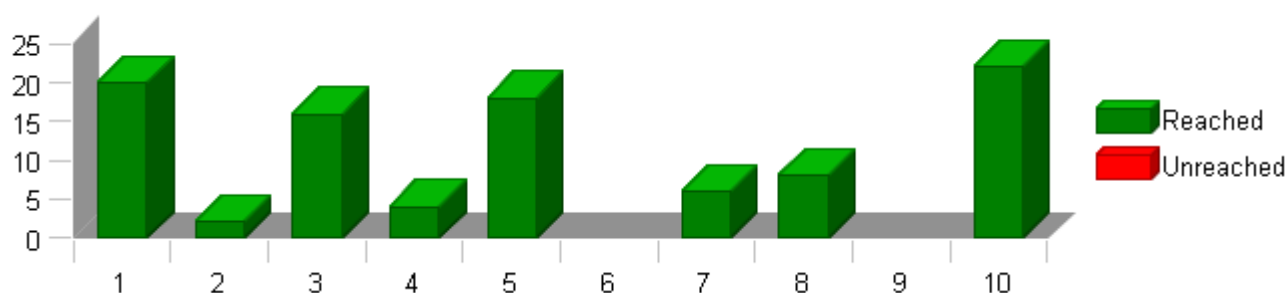
## MC/DC Coverage: Total Condition Combinations for Each Test Object



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.

## MCC Coverage: Total Condition Combinations for Each Test Object



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

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

## TEST OVERVIEW REPORT

2015-06-29, 19:19:40+0530

Project EOTActuatorMng



### Test Object List

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

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

No.	Name	C0	C1	DC	MC/DC	MCC	Test Cases	Result
	EOTActuatorMng	100 %	100 %	100 %	100 %	100 %	30 of 30 passed	✓
	CBD_UnitTest	100 %	100 %	100 %	100 %	100 %	30 of 30 passed	✓
	EOTActuatorMng	100 %	100 %	100 %	100 %	100 %	30 of 30 passed	✓
1	<a href="#">EOTActuatorMng_Per1</a>	100 %	100 %	100 %	100 %	100 %	3 of 3 passed	✓
2	<a href="#">EOTDetermination</a>	100 %	100 %	100 %	100 %	100 %	3 of 3 passed	✓
3	<a href="#">EOTOrigImpact</a>	100 %	100 %	100 %	100 %	100 %	3 of 3 passed	✓
4	<a href="#">SES_CalcEnterGain</a>	100 %	100 %	100 %	100 %	100 %	3 of 3 passed	✓
5	<a href="#">SES_CalcEOTDamp</a>	100 %	100 %	100 %	100 %	100 %	3 of 3 passed	✓
6	<a href="#">SES_CalcEOTGain</a>	100 %	100 %	100 %	100 %	-	3 of 3 passed	✓
7	<a href="#">SES_CalcExitGain</a>	100 %	100 %	100 %	100 %	100 %	3 of 3 passed	✓
8	<a href="#">SES_DetLmtPos</a>	100 %	100 %	100 %	100 %	100 %	3 of 3 passed	✓
9	<a href="#">SES_FiltEOTGain</a>	100 %	100 %	100 %	100 %	-	3 of 3 passed	✓
10	<a href="#">SES_StateCtrl</a>	100 %	100 %	100 %	100 %	100 %	3 of 3 passed	✓

# TEST DETAILS REPORT

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SES\_CalcEnterGain



Project	EOTActuatorMng
Module	EOTActuatorMng
Test Object	SES_CalcEnterGain

## Instrumentation: Test Object Only

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

## Statistics

Total Testcases	3
Successful	3 ✓
Failed	0
Not Executed	0

## Module Properties

Project Root Directory	D:\Synergy_Work_Area\CBD_EOTActuatorMng\EOTActuatorMng
Configuration File	D:\Synergy_Work_Area\CBD_EOTActuatorMng\EOTActuatorMng\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)\NxtLib\src\interpolation.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -I\$(PROJECTROOT)\NxtLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\utp\contract\Ap_EOTActuatorMng -I\$(PROJECTROOT)\utp\contract -I\$(Compiler Install Path)\include
File	\$(PROJECTROOT)\src\Ap_EOTActuatorMng.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -I\$(PROJECTROOT)\NxtLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\utp\contract\Ap_EOTActuatorMng -I\$(PROJECTROOT)\utp\contract -I\$(Compiler Install Path)\include

## Comments/Description/Specification

Name	Text
Module 'EOTActuatorMng'	/*****Unit Test Description*****/ Name of Tester:Priti Manglekar Code File(s) Under Test:Ap_EOTActuatorMng.c Code File(s) Version:19 Module Design Document:End_of_Travel_Actuator_Management_MDD.docx Module Design Document Version:25 Data Dictionary Version:21 Unit Test Plan Version:11 Optimization Level:Level 2 Compiler (CodeGen) Version:TMS470_4.9.5 Model Type:Excel Macro Model Version:Nexteer EPS Unit Test Tool 2.7d/EPS Library 1.32 Total FLASH Used (Bytes):2914 Total RAM Used (Bytes):54 Total CALS Used (Bytes):170 Special Test Requirements: Test Date:6/29/2015 Comments:"NOTE 1: Inline functions defined in GlobalMacro.h are not untested. NOTE 2: ""CBD_Sandbox_dbg.map"" is embedded for reference." /*****

## Attributes

Name	Value
Compiler Install Path	\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5
Float Precision	9
InitObjDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj
InitSrcDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd
Makefile Template	\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570.tpl
Target Install Path	\$(ProgramFiles)\pls\UDE 3.2
Time Unit	Cycles

# TEST DETAILS REPORT

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SES\_CalcEnterGain



Attributes	
Name	Value
Timer Enabled	false
Timer Prescale	0
Timer Resolution	1
UDE Config File	\$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg
Workspace File	D:\Synergy_Work_Area\CBD_EOTActuatorMng\EOTActuatorMng\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

# TEST DETAILS REPORT

2015-06-29, 18:37:20+0530

SES\_CalcEnterGain



## Test Case 1: Metrics test

<b>Specification</b>	Performance Metrics (With "None" Instrumentation and WithPS Environment) CPU Cycles:  TS1.1 9 cycles TS1.2 327 cycles
<b>Description</b>	Vector Description  TS1.1"Shortest Execution Path: (HandWheelPos2_HwDeg_T_f32 < D_ZERO_ULS_F32) ==> FALSE" TS1.2"Longest Execution Path: (HandWheelPos2_HwDeg_T_f32 < D_ZERO_ULS_F32) ==> TRUE"

## Test Step 1.1 (Repeat Count = 1)

Name	Input Value		
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED		
HandWheelPos_HwDeg_T_f32	500.5		
LimitPosition_HwDeg_T_f32	200.600006		
VehicleSpeed_Kph_T_f32	200.800003		
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	320		
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	480		
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	960		
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	1440		
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	1600		
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	2400		
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	3200		
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	4000		
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	4800		
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	5600		
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	6400		
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	7200		
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	8000		
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	8800		
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	9600		
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	10400		
t2_EOTEnterGainY_Uls_u1p15[0][0]	0		
t2_EOTEnterGainY_Uls_u1p15[0][1]	10813		
t2_EOTEnterGainY_Uls_u1p15[0][2]	21627		
t2_EOTEnterGainY_Uls_u1p15[0][3]	32768		
t2_EOTEnterGainY_Uls_u1p15[1][0]	3277		
t2_EOTEnterGainY_Uls_u1p15[1][1]	6554		
t2_EOTEnterGainY_Uls_u1p15[1][2]	13107		
t2_EOTEnterGainY_Uls_u1p15[1][3]	16384		
t2_EOTEnterGainY_Uls_u1p15[2][0]	33		
t2_EOTEnterGainY_Uls_u1p15[2][1]	22938		
t2_EOTEnterGainY_Uls_u1p15[2][2]	26214		
t2_EOTEnterGainY_Uls_u1p15[2][3]	29491		
t2_EOTEnterGainY_Uls_u1p15[3][0]	66		
t2_EOTEnterGainY_Uls_u1p15[3][1]	98		
t2_EOTEnterGainY_Uls_u1p15[3][2]	131		
t2_EOTEnterGainY_Uls_u1p15[3][3]	164		
t_EOTEnterGainVspd_Kph_u9p7[0]	0		
t_EOTEnterGainVspd_Kph_u9p7[1]	640		
t_EOTEnterGainVspd_Kph_u9p7[2]	1280		
t_EOTEnterGainVspd_Kph_u9p7[3]	2560		
Name	Actual Value	Expected Value	Result
SES_CalcEnterGain()	1	1 ± 0.0078125	✔

## 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
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL
HandWheelPos_HwDeg_T_f32	-1000.09998
LimitPosition_HwDeg_T_f32	1300.30005
VehicleSpeed_Kph_T_f32	60.4000015
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	0

# TEST DETAILS REPORT

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SES\_CalcEnterGain



Name	Input Value		
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	16		
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	32		
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	48		
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	64		
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	80		
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	96		
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	112		
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	128		
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	144		
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	160		
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	176		
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	192		
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	208		
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	224		
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	240		
t2_EOTEnterGainY_Uls_u1p15[0][0]	0		
t2_EOTEnterGainY_Uls_u1p15[0][1]	10813		
t2_EOTEnterGainY_Uls_u1p15[0][2]	21627		
t2_EOTEnterGainY_Uls_u1p15[0][3]	32768		
t2_EOTEnterGainY_Uls_u1p15[1][0]	3277		
t2_EOTEnterGainY_Uls_u1p15[1][1]	6554		
t2_EOTEnterGainY_Uls_u1p15[1][2]	13107		
t2_EOTEnterGainY_Uls_u1p15[1][3]	16384		
t2_EOTEnterGainY_Uls_u1p15[2][0]	33		
t2_EOTEnterGainY_Uls_u1p15[2][1]	22938		
t2_EOTEnterGainY_Uls_u1p15[2][2]	26214		
t2_EOTEnterGainY_Uls_u1p15[2][3]	29491		
t2_EOTEnterGainY_Uls_u1p15[3][0]	66		
t2_EOTEnterGainY_Uls_u1p15[3][1]	98		
t2_EOTEnterGainY_Uls_u1p15[3][2]	131		
t2_EOTEnterGainY_Uls_u1p15[3][3]	164		
t_EOTEnterGainVspd_Kph_u9p7[0]	0		
t_EOTEnterGainVspd_Kph_u9p7[1]	640		
t_EOTEnterGainVspd_Kph_u9p7[2]	1280		
t_EOTEnterGainVspd_Kph_u9p7[3]	2560		
Name	Actual Value	Expected Value	Result
SES_CalcEnterGain()	0.00500488281	0.00201415992 ± 0.0078125	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
BilinearXMYM_u16_u16XMu16YM_Cnt	1	BilinearXMYM_u16_u16XMu16YM_Cnt	1	✓



# TEST DETAILS REPORT

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SES\_CalcEnterGain



## Test Case 2: Boundary Test

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

TS2.1 324 cycles  
TS2.2 325 cycles  
TS2.3 325 cycles  
TS2.4 325 cycles  
TS2.5 325 cycles  
TS2.6 325 cycles  
TS2.7 325 cycles  
TS2.8 325 cycles  
TS2.9 325 cycles  
TS2.10 325 cycles  
TS2.11 325 cycles  
TS2.12 325 cycles  
TS2.13 325 cycles  
TS2.14 9 cycles  
TS2.15 325 cycles  
TS2.16 325 cycles  
TS2.17 325 cycles  
TS2.18 325 cycles  
TS2.19 325 cycles  
TS2.20 325 cycles  
TS2.21 325 cycles  
TS2.22 325 cycles  
TS2.23 325 cycles  
TS2.24 325 cycles  
TS2.25 325 cycles  
TS2.26 325 cycles  
TS2.27 9 cycles  
TS2.28 325 cycles

**Description** Vector Description

TS2.1HandWheelPos3\_HwDeg\_T\_f32min  
TS2.2HandWheelPos3\_HwDeg\_T\_f32 max  
TS2.3HandWheelPos3\_HwDeg\_T\_f32 zero  
TS2.4HandWheelPos3\_HwDeg\_T\_f32pos  
TS2.5HandWheelPos3\_HwDeg\_T\_f32 neg  
TS2.6LimitPosition\_HwDeg\_T\_f32 min  
TS2.7LimitPosition\_HwDeg\_T\_f32 max  
TS2.8LimitPosition\_HwDeg\_T\_f32 zero  
TS2.9LimitPosition\_HwDeg\_T\_f32 pos  
TS2.10LimitPosition\_HwDeg\_T\_f32 neg  
TS2.11VehicleSpeed\_Kph\_T\_f32 min  
TS2.12VehicleSpeed\_Kph\_T\_f32 max  
TS2.13VehicleSpeed\_Kph\_T\_f32 pos  
TS2.14SESState\_Uls\_M\_enum min  
TS2.15SESState\_Uls\_M\_enum =1  
TS2.16SESState\_Uls\_M\_enum =2  
TS2.17SESState\_Uls\_M\_enum max  
TS2.18t\_EOTEnterGainVspd\_Kph\_u9p7[4] min  
TS2.19t\_EOTEnterGainVspd\_Kph\_u9p7[4] max  
TS2.20t\_EOTEnterGainVspd\_Kph\_u9p7[4]mid  
TS2.21t2\_EOTEnterGainX\_HwDeg\_u12p4[4] min  
TS2.22t2\_EOTEnterGainX\_HwDeg\_u12p4[4] max  
TS2.23t2\_EOTEnterGainX\_HwDeg\_u12p4[4] mid  
TS2.24t2\_EOTEnterGainY\_Uls\_u1p15[4] min  
TS2.25t2\_EOTEnterGainY\_Uls\_u1p15[4]max  
TS2.26t2\_EOTEnterGainY\_Uls\_u1p15[4]mid  
TS2.27All min  
TS2.28All max

## Test Step 2.1 (Repeat Count = 1)

Name	Input Value
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL
HandWheelPos_HwDeg_T_f32	-1440.10999
LimitPosition_HwDeg_T_f32	1440.10999
VehicleSpeed_Kph_T_f32	100.218399
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	32
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	80
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	96
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	112
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	640
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	1904
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	1920
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	1936
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	784
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	2336
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	2352
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	2368
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	192
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	560
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	576
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	592
t2_EOTEnterGainY_Uls_u1p15[0][0]	0
t2_EOTEnterGainY_Uls_u1p15[0][1]	3
t2_EOTEnterGainY_Uls_u1p15[0][2]	4
t2_EOTEnterGainY_Uls_u1p15[0][3]	5

# TEST DETAILS REPORT

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SES\_CalcEnterGain

Name	Input Value
t2_EOTEnterGainY_Uls_u1p15[1][0]	5
t2_EOTEnterGainY_Uls_u1p15[1][1]	6
t2_EOTEnterGainY_Uls_u1p15[1][2]	29
t2_EOTEnterGainY_Uls_u1p15[1][3]	288
t2_EOTEnterGainY_Uls_u1p15[2][0]	5
t2_EOTEnterGainY_Uls_u1p15[2][1]	5
t2_EOTEnterGainY_Uls_u1p15[2][2]	20
t2_EOTEnterGainY_Uls_u1p15[2][3]	193
t2_EOTEnterGainY_Uls_u1p15[3][0]	7
t2_EOTEnterGainY_Uls_u1p15[3][1]	7
t2_EOTEnterGainY_Uls_u1p15[3][2]	78
t2_EOTEnterGainY_Uls_u1p15[3][3]	763
t_EOTEnterGainVspd_Kph_u9p7[0]	128
t_EOTEnterGainVspd_Kph_u9p7[1]	256
t_EOTEnterGainVspd_Kph_u9p7[2]	384
t_EOTEnterGainVspd_Kph_u9p7[3]	512

Name	Actual Value	Expected Value	Result
SES_CalcEnterGain()	0.000213623047	0.000213623003 ± 0.0078125	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
BilinearXMYM_u16_u16XMu16YM_Cnt	1	BilinearXMYM_u16_u16XMu16YM_Cnt	1	✓

## Test Step 2.2 (Repeat Count = 1)

Name	Input Value
EOTActuatorMng_SESSState_Uls_M_enum	SES_ENTERING
HandWheelPos_HwDeg_T_f32	1440.10999
LimitPosition_HwDeg_T_f32	1440.10999
VehicleSpeed_Kph_T_f32	90.032402
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	48
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	128
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	144
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	160
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	656
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	1952
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	1968
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	1984
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	800
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	2384
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	2400
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	2416
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	208
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	608
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	624
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	640
t2_EOTEnterGainY_Uls_u1p15[0][0]	4
t2_EOTEnterGainY_Uls_u1p15[0][1]	5
t2_EOTEnterGainY_Uls_u1p15[0][2]	10
t2_EOTEnterGainY_Uls_u1p15[0][3]	98
t2_EOTEnterGainY_Uls_u1p15[1][0]	5
t2_EOTEnterGainY_Uls_u1p15[1][1]	6
t2_EOTEnterGainY_Uls_u1p15[1][2]	39
t2_EOTEnterGainY_Uls_u1p15[1][3]	383
t2_EOTEnterGainY_Uls_u1p15[2][0]	5
t2_EOTEnterGainY_Uls_u1p15[2][1]	6
t2_EOTEnterGainY_Uls_u1p15[2][2]	29
t2_EOTEnterGainY_Uls_u1p15[2][3]	288
t2_EOTEnterGainY_Uls_u1p15[3][0]	7
t2_EOTEnterGainY_Uls_u1p15[3][1]	8
t2_EOTEnterGainY_Uls_u1p15[3][2]	88
t2_EOTEnterGainY_Uls_u1p15[3][3]	859
t_EOTEnterGainVspd_Kph_u9p7[0]	256
t_EOTEnterGainVspd_Kph_u9p7[1]	640
t_EOTEnterGainVspd_Kph_u9p7[2]	768
t_EOTEnterGainVspd_Kph_u9p7[3]	896

Name	Actual Value	Expected Value	Result
SES_CalcEnterGain()	0.000213623047	0.000213623003 ± 0.0078125	✓

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SES\_CalcEnterGain



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
BilinearXYMY_u16_u16XMu16YM_Cnt	1	BilinearXYMY_u16_u16XMu16YM_Cnt	1	✓

## Test Step 2.3 (Repeat Count = 1)

Name	Input Value		
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL		
HandWheelPos_HwDeg_T_f32	0		
LimitPosition_HwDeg_T_f32	1200.33997		
VehicleSpeed_Kph_T_f32	80.0456009		
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	64		
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	176		
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	192		
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	208		
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	672		
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	2000		
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	2016		
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	2032		
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	816		
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	2432		
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	2448		
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	2464		
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	224		
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	656		
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	672		
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	688		
t2_EOTEnterGainY_Uls_u1p15[0][0]	5		
t2_EOTEnterGainY_Uls_u1p15[0][1]	5		
t2_EOTEnterGainY_Uls_u1p15[0][2]	20		
t2_EOTEnterGainY_Uls_u1p15[0][3]	193		
t2_EOTEnterGainY_Uls_u1p15[1][0]	6		
t2_EOTEnterGainY_Uls_u1p15[1][1]	6		
t2_EOTEnterGainY_Uls_u1p15[1][2]	49		
t2_EOTEnterGainY_Uls_u1p15[1][3]	478		
t2_EOTEnterGainY_Uls_u1p15[2][0]	5		
t2_EOTEnterGainY_Uls_u1p15[2][1]	6		
t2_EOTEnterGainY_Uls_u1p15[2][2]	39		
t2_EOTEnterGainY_Uls_u1p15[2][3]	383		
t2_EOTEnterGainY_Uls_u1p15[3][0]	7		
t2_EOTEnterGainY_Uls_u1p15[3][1]	8		
t2_EOTEnterGainY_Uls_u1p15[3][2]	98		
t2_EOTEnterGainY_Uls_u1p15[3][3]	954		
t_EOTEnterGainVspd_Kph_u9p7[0]	384		
t_EOTEnterGainVspd_Kph_u9p7[1]	1024		
t_EOTEnterGainVspd_Kph_u9p7[2]	1152		
t_EOTEnterGainVspd_Kph_u9p7[3]	1280		
Name	Actual Value	Expected Value	Result
SES_CalcEnterGain()	0.0291137695	0.0291137695 ± 0.0078125	✔

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
BilinearXYMY_u16_u16XMu16YM_Cnt	1	BilinearXYMY_u16_u16XMu16YM_Cnt	1	✓

## Test Step 2.4 (Repeat Count = 1)

Name	Input Value
EOTActuatorMng_SESState_Uls_M_enum	SES_ENTERING
HandWheelPos_HwDeg_T_f32	1000.09998
LimitPosition_HwDeg_T_f32	-1300.14001
VehicleSpeed_Kph_T_f32	70.8410034
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	80
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	224
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	240
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	256
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	688
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	2048
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	2064
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	2080

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Name	Input Value		
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	832		
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	2480		
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	2496		
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	2512		
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	240		
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	704		
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	720		
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	736		
t2_EOTEnterGainY_Uls_u1p15[0][0]	5		
t2_EOTEnterGainY_Uls_u1p15[0][1]	6		
t2_EOTEnterGainY_Uls_u1p15[0][2]	29		
t2_EOTEnterGainY_Uls_u1p15[0][3]	288		
t2_EOTEnterGainY_Uls_u1p15[1][0]	6		
t2_EOTEnterGainY_Uls_u1p15[1][1]	7		
t2_EOTEnterGainY_Uls_u1p15[1][2]	59		
t2_EOTEnterGainY_Uls_u1p15[1][3]	573		
t2_EOTEnterGainY_Uls_u1p15[2][0]	6		
t2_EOTEnterGainY_Uls_u1p15[2][1]	6		
t2_EOTEnterGainY_Uls_u1p15[2][2]	49		
t2_EOTEnterGainY_Uls_u1p15[2][3]	478		
t2_EOTEnterGainY_Uls_u1p15[3][0]	8		
t2_EOTEnterGainY_Uls_u1p15[3][1]	8		
t2_EOTEnterGainY_Uls_u1p15[3][2]	108		
t2_EOTEnterGainY_Uls_u1p15[3][3]	1049		
t_EOTEnterGainVspd_Kph_u9p7[0]	512		
t_EOTEnterGainVspd_Kph_u9p7[1]	1408		
t_EOTEnterGainVspd_Kph_u9p7[2]	1536		
t_EOTEnterGainVspd_Kph_u9p7[3]	1664		
Name	Actual Value	Expected Value	Result
SES_CalcEnterGain()	0.0320129395	0.0320129395 ± 0.0078125	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
BilinearXMYM_u16_u16XMu16YM_Cnt	1	BilinearXMYM_u16_u16XMu16YM_Cnt	1	✓

Test Step 2.5 (Repeat Count = 1)	
Name	Input Value
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL
HandWheelPos_HwDeg_T_f32	-1000.09998
LimitPosition_HwDeg_T_f32	1300.65002
VehicleSpeed_Kph_T_f32	60.3569984
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	96
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	272
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	288
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	304
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	704
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	2096
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	2112
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	2128
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	848
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	2528
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	2544
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	2560
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	256
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	752
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	768
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	784
t2_EOTEnterGainY_Uls_u1p15[0][0]	5
t2_EOTEnterGainY_Uls_u1p15[0][1]	6
t2_EOTEnterGainY_Uls_u1p15[0][2]	39
t2_EOTEnterGainY_Uls_u1p15[0][3]	383
t2_EOTEnterGainY_Uls_u1p15[1][0]	6
t2_EOTEnterGainY_Uls_u1p15[1][1]	7
t2_EOTEnterGainY_Uls_u1p15[1][2]	69
t2_EOTEnterGainY_Uls_u1p15[1][3]	668
t2_EOTEnterGainY_Uls_u1p15[2][0]	6
t2_EOTEnterGainY_Uls_u1p15[2][1]	7
t2_EOTEnterGainY_Uls_u1p15[2][2]	59
t2_EOTEnterGainY_Uls_u1p15[2][3]	573
t2_EOTEnterGainY_Uls_u1p15[3][0]	8

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Name	Input Value		
t2_EOTEnterGainY_Uls_u1p15[3][1]	9		
t2_EOTEnterGainY_Uls_u1p15[3][2]	118		
t2_EOTEnterGainY_Uls_u1p15[3][3]	1144		
t_EOTEnterGainVspd_Kph_u9p7[0]	640		
t_EOTEnterGainVspd_Kph_u9p7[1]	1792		
t_EOTEnterGainVspd_Kph_u9p7[2]	1920		
t_EOTEnterGainVspd_Kph_u9p7[3]	2048		
Name	Actual Value	Expected Value	Result
SES_CalcEnterGain()	0.0349121094	0.0349121094 ± 0.0078125	✔

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
BilinearXMYM_u16_u16XMu16YM_Cnt	1	BilinearXMYM_u16_u16XMu16YM_Cnt	1	✓

## Test Step 2.6 (Repeat Count = 1)

Name	Input Value		
EOTActuatorMng_SESState_Uls_M_enum	SES_ENTERING		
HandWheelPos_HwDeg_T_f32	900.323975		
LimitPosition_HwDeg_T_f32	-1440.10999		
VehicleSpeed_Kph_T_f32	50.1591988		
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	112		
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	320		
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	336		
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	352		
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	720		
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	2144		
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	2160		
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	2176		
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	864		
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	2576		
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	2592		
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	2608		
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	272		
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	800		
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	816		
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	832		
t2_EOTEnterGainY_Uls_u1p15[0][0]	6		
t2_EOTEnterGainY_Uls_u1p15[0][1]	6		
t2_EOTEnterGainY_Uls_u1p15[0][2]	49		
t2_EOTEnterGainY_Uls_u1p15[0][3]	478		
t2_EOTEnterGainY_Uls_u1p15[1][0]	7		
t2_EOTEnterGainY_Uls_u1p15[1][1]	7		
t2_EOTEnterGainY_Uls_u1p15[1][2]	78		
t2_EOTEnterGainY_Uls_u1p15[1][3]	763		
t2_EOTEnterGainY_Uls_u1p15[2][0]	6		
t2_EOTEnterGainY_Uls_u1p15[2][1]	7		
t2_EOTEnterGainY_Uls_u1p15[2][2]	69		
t2_EOTEnterGainY_Uls_u1p15[2][3]	668		
t2_EOTEnterGainY_Uls_u1p15[3][0]	8		
t2_EOTEnterGainY_Uls_u1p15[3][1]	9		
t2_EOTEnterGainY_Uls_u1p15[3][2]	127		
t2_EOTEnterGainY_Uls_u1p15[3][3]	1239		
t_EOTEnterGainVspd_Kph_u9p7[0]	768		
t_EOTEnterGainVspd_Kph_u9p7[1]	2176		
t_EOTEnterGainVspd_Kph_u9p7[2]	2304		
t_EOTEnterGainVspd_Kph_u9p7[3]	2432		
Name	Actual Value	Expected Value	Result
SES_CalcEnterGain()	0.0378112793	0.0378112793 ± 0.0078125	✔

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
BilinearXMYM_u16_u16XMu16YM_Cnt	1	BilinearXMYM_u16_u16XMu16YM_Cnt	1	✓

## Test Step 2.7 (Repeat Count = 1)

Name	Input Value
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL

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SES\_CalcEnterGain

Name	Input Value		
HandWheelPos_HwDeg_T_f32	-900.156006		
LimitPosition_HwDeg_T_f32	1440.10999		
VehicleSpeed_Kph_T_f32	40.3569984		
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	128		
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	368		
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	384		
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	400		
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	736		
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	2192		
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	2208		
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	2224		
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	880		
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	2624		
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	2640		
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	2656		
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	288		
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	848		
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	864		
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	880		
t2_EOTEnterGainY_Uls_u1p15[0][0]	6		
t2_EOTEnterGainY_Uls_u1p15[0][1]	7		
t2_EOTEnterGainY_Uls_u1p15[0][2]	59		
t2_EOTEnterGainY_Uls_u1p15[0][3]	573		
t2_EOTEnterGainY_Uls_u1p15[1][0]	7		
t2_EOTEnterGainY_Uls_u1p15[1][1]	8		
t2_EOTEnterGainY_Uls_u1p15[1][2]	88		
t2_EOTEnterGainY_Uls_u1p15[1][3]	859		
t2_EOTEnterGainY_Uls_u1p15[2][0]	7		
t2_EOTEnterGainY_Uls_u1p15[2][1]	7		
t2_EOTEnterGainY_Uls_u1p15[2][2]	78		
t2_EOTEnterGainY_Uls_u1p15[2][3]	763		
t2_EOTEnterGainY_Uls_u1p15[3][0]	9		
t2_EOTEnterGainY_Uls_u1p15[3][1]	9		
t2_EOTEnterGainY_Uls_u1p15[3][2]	137		
t2_EOTEnterGainY_Uls_u1p15[3][3]	1334		
t_EOTEnterGainVspd_Kph_u9p7[0]	896		
t_EOTEnterGainVspd_Kph_u9p7[1]	2560		
t_EOTEnterGainVspd_Kph_u9p7[2]	2688		
t_EOTEnterGainVspd_Kph_u9p7[3]	2816		
Name	Actual Value	Expected Value	Result
SES_CalcEnterGain()	0.0407104492	0.0407104492 ± 0.0078125	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
BilinearXYMY_u16_u16XMu16YM_Cnt	1	BilinearXYMY_u16_u16XMu16YM_Cnt	1	✓

Test Step 2.8 (Repeat Count = 1)	
Name	Input Value
EOTActuatorMng_SESState_Uls_M_enum	SES_ENTERING
HandWheelPos_HwDeg_T_f32	0
LimitPosition_HwDeg_T_f32	0
VehicleSpeed_Kph_T_f32	30.1541996
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	144
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	416
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	432
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	448
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	752
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	2240
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	2256
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	2272
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	896
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	2672
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	2688
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	2704
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	304
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	896
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	912
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	928
t2_EOTEnterGainY_Uls_u1p15[0][0]	6
t2_EOTEnterGainY_Uls_u1p15[0][1]	7

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Name	Input Value		
t2_EOTEnterGainY_Uls_u1p15[0][2]	69		
t2_EOTEnterGainY_Uls_u1p15[0][3]	668		
t2_EOTEnterGainY_Uls_u1p15[1][0]	7		
t2_EOTEnterGainY_Uls_u1p15[1][1]	8		
t2_EOTEnterGainY_Uls_u1p15[1][2]	98		
t2_EOTEnterGainY_Uls_u1p15[1][3]	954		
t2_EOTEnterGainY_Uls_u1p15[2][0]	7		
t2_EOTEnterGainY_Uls_u1p15[2][1]	8		
t2_EOTEnterGainY_Uls_u1p15[2][2]	88		
t2_EOTEnterGainY_Uls_u1p15[2][3]	859		
t2_EOTEnterGainY_Uls_u1p15[3][0]	9		
t2_EOTEnterGainY_Uls_u1p15[3][1]	10		
t2_EOTEnterGainY_Uls_u1p15[3][2]	147		
t2_EOTEnterGainY_Uls_u1p15[3][3]	1429		
t_EOTEnterGainVspd_Kph_u9p7[0]	1024		
t_EOTEnterGainVspd_Kph_u9p7[1]	2944		
t_EOTEnterGainVspd_Kph_u9p7[2]	3072		
t_EOTEnterGainVspd_Kph_u9p7[3]	3200		
Name	Actual Value	Expected Value	Result
SES_CalcEnterGain()	0.000274658203	0.000274657999 ± 0.0078125	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
BilinearXYM_u16_u16XMu16YM_Cnt	1	BilinearXYM_u16_u16XMu16YM_Cnt	1	✓

## Test Step 2.9 (Repeat Count = 1)

Name	Input Value		
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL		
HandWheelPos_HwDeg_T_f32	-800.039978		
LimitPosition_HwDeg_T_f32	900.099976		
VehicleSpeed_Kph_T_f32	20.1340008		
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	160		
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	464		
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	480		
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	496		
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	768		
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	2288		
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	2304		
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	2320		
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	912		
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	2720		
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	2736		
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	2752		
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	320		
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	944		
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	960		
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	976		
t2_EOTEnterGainY_Uls_u1p15[0][0]	7		
t2_EOTEnterGainY_Uls_u1p15[0][1]	7		
t2_EOTEnterGainY_Uls_u1p15[0][2]	78		
t2_EOTEnterGainY_Uls_u1p15[0][3]	763		
t2_EOTEnterGainY_Uls_u1p15[1][0]	8		
t2_EOTEnterGainY_Uls_u1p15[1][1]	8		
t2_EOTEnterGainY_Uls_u1p15[1][2]	108		
t2_EOTEnterGainY_Uls_u1p15[1][3]	1049		
t2_EOTEnterGainY_Uls_u1p15[2][0]	7		
t2_EOTEnterGainY_Uls_u1p15[2][1]	8		
t2_EOTEnterGainY_Uls_u1p15[2][2]	98		
t2_EOTEnterGainY_Uls_u1p15[2][3]	954		
t2_EOTEnterGainY_Uls_u1p15[3][0]	9		
t2_EOTEnterGainY_Uls_u1p15[3][1]	10		
t2_EOTEnterGainY_Uls_u1p15[3][2]	157		
t2_EOTEnterGainY_Uls_u1p15[3][3]	1524		
t_EOTEnterGainVspd_Kph_u9p7[0]	1152		
t_EOTEnterGainVspd_Kph_u9p7[1]	3328		
t_EOTEnterGainVspd_Kph_u9p7[2]	3456		
t_EOTEnterGainVspd_Kph_u9p7[3]	3584		
Name	Actual Value	Expected Value	Result
SES_CalcEnterGain()	0.00820922852	0.00820922945 ± 0.0078125	✓

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SES\_CalcEnterGain



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
BilinearXYMY_u16_u16XMu16YM_Cnt	1	BilinearXYMY_u16_u16XMu16YM_Cnt	1	✓

## Test Step 2.10 (Repeat Count = 1)

Name	Input Value		
EOTActuatorMng_SESState_Uls_M_enum	SES_ENTERING		
HandWheelPos_HwDeg_T_f32	700.539978		
LimitPosition_HwDeg_T_f32	-900.099976		
VehicleSpeed_Kph_T_f32	10.9870005		
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	176		
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	512		
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	528		
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	544		
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	784		
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	2336		
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	2352		
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	2368		
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	928		
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	2768		
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	2784		
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	2800		
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	336		
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	992		
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	1008		
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	1024		
t2_EOTEnterGainY_Uls_u1p15[0][0]	7		
t2_EOTEnterGainY_Uls_u1p15[0][1]	8		
t2_EOTEnterGainY_Uls_u1p15[0][2]	88		
t2_EOTEnterGainY_Uls_u1p15[0][3]	859		
t2_EOTEnterGainY_Uls_u1p15[1][0]	8		
t2_EOTEnterGainY_Uls_u1p15[1][1]	9		
t2_EOTEnterGainY_Uls_u1p15[1][2]	118		
t2_EOTEnterGainY_Uls_u1p15[1][3]	1144		
t2_EOTEnterGainY_Uls_u1p15[2][0]	8		
t2_EOTEnterGainY_Uls_u1p15[2][1]	8		
t2_EOTEnterGainY_Uls_u1p15[2][2]	108		
t2_EOTEnterGainY_Uls_u1p15[2][3]	1049		
t2_EOTEnterGainY_Uls_u1p15[3][0]	10		
t2_EOTEnterGainY_Uls_u1p15[3][1]	10		
t2_EOTEnterGainY_Uls_u1p15[3][2]	167		
t2_EOTEnterGainY_Uls_u1p15[3][3]	1619		
t_EOTEnterGainVspd_Kph_u9p7[0]	1280		
t_EOTEnterGainVspd_Kph_u9p7[1]	3712		
t_EOTEnterGainVspd_Kph_u9p7[2]	3840		
t_EOTEnterGainVspd_Kph_u9p7[3]	3968		
Name	Actual Value	Expected Value	Result
SES_CalcEnterGain()	0.0266723633	0.0266723633 ± 0.0078125	✔

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
BilinearXYMY_u16_u16XMu16YM_Cnt	1	BilinearXYMY_u16_u16XMu16YM_Cnt	1	✓

## Test Step 2.11 (Repeat Count = 1)

Name	Input Value
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL
HandWheelPos_HwDeg_T_f32	-700.320007
LimitPosition_HwDeg_T_f32	-1100.34998
VehicleSpeed_Kph_T_f32	0
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	192
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	560
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	576
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	592
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	800
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	2384
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	2400
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	2416



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SES\_CalcEnterGain

Name	Input Value		
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	944		
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	2816		
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	2832		
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	2848		
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	352		
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	1040		
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	1056		
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	1072		
t2_EOTEnterGainY_Uls_u1p15[0][0]	7		
t2_EOTEnterGainY_Uls_u1p15[0][1]	8		
t2_EOTEnterGainY_Uls_u1p15[0][2]	98		
t2_EOTEnterGainY_Uls_u1p15[0][3]	954		
t2_EOTEnterGainY_Uls_u1p15[1][0]	8		
t2_EOTEnterGainY_Uls_u1p15[1][1]	9		
t2_EOTEnterGainY_Uls_u1p15[1][2]	127		
t2_EOTEnterGainY_Uls_u1p15[1][3]	1239		
t2_EOTEnterGainY_Uls_u1p15[2][0]	8		
t2_EOTEnterGainY_Uls_u1p15[2][1]	9		
t2_EOTEnterGainY_Uls_u1p15[2][2]	118		
t2_EOTEnterGainY_Uls_u1p15[2][3]	1144		
t2_EOTEnterGainY_Uls_u1p15[3][0]	10		
t2_EOTEnterGainY_Uls_u1p15[3][1]	10		
t2_EOTEnterGainY_Uls_u1p15[3][2]	176		
t2_EOTEnterGainY_Uls_u1p15[3][3]	1714		
t_EOTEnterGainVspd_Kph_u9p7[0]	1408		
t_EOTEnterGainVspd_Kph_u9p7[1]	4096		
t_EOTEnterGainVspd_Kph_u9p7[2]	4224		
t_EOTEnterGainVspd_Kph_u9p7[3]	4352		
Name	Actual Value	Expected Value	Result
SES_CalcEnterGain()	0.0291137695	0.0291137695 ± 0.0078125	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
BilinearXMYM_u16_u16XMu16YM_Cnt	1	BilinearXMYM_u16_u16XMu16YM_Cnt	1	✓

Test Step 2.12 (Repeat Count = 1)	
Name	Input Value
EOTActuatorMng_SESState_Uls_M_enum	SES_ENTERING
HandWheelPos_HwDeg_T_f32	800.97998
LimitPosition_HwDeg_T_f32	700.23999
VehicleSpeed_Kph_T_f32	511.992188
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	208
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	608
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	624
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	640
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	816
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	2432
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	2448
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	2464
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	960
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	2864
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	2880
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	2896
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	368
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	1088
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	1104
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	1120
t2_EOTEnterGainY_Uls_u1p15[0][0]	8
t2_EOTEnterGainY_Uls_u1p15[0][1]	8
t2_EOTEnterGainY_Uls_u1p15[0][2]	108
t2_EOTEnterGainY_Uls_u1p15[0][3]	1049
t2_EOTEnterGainY_Uls_u1p15[1][0]	9
t2_EOTEnterGainY_Uls_u1p15[1][1]	9
t2_EOTEnterGainY_Uls_u1p15[1][2]	137
t2_EOTEnterGainY_Uls_u1p15[1][3]	1334
t2_EOTEnterGainY_Uls_u1p15[2][0]	8
t2_EOTEnterGainY_Uls_u1p15[2][1]	9
t2_EOTEnterGainY_Uls_u1p15[2][2]	127
t2_EOTEnterGainY_Uls_u1p15[2][3]	1239
t2_EOTEnterGainY_Uls_u1p15[3][0]	10

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SES\_CalcEnterGain

Name	Input Value		
t2_EOTEnterGainY_Uls_u1p15[3][1]	11		
t2_EOTEnterGainY_Uls_u1p15[3][2]	186		
t2_EOTEnterGainY_Uls_u1p15[3][3]	1809		
t_EOTEnterGainVspd_Kph_u9p7[0]	1536		
t_EOTEnterGainVspd_Kph_u9p7[1]	4480		
t_EOTEnterGainVspd_Kph_u9p7[2]	4608		
t_EOTEnterGainVspd_Kph_u9p7[3]	4736		
Name	Actual Value	Expected Value	Result
SES_CalcEnterGain()	0.000305175781	0.000305176014 ± 0.0078125	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
BilinearXMYM_u16_u16XMu16YM_Cnt	1	BilinearXMYM_u16_u16XMu16YM_Cnt	1	✓

## Test Step 2.13 (Repeat Count = 1)

Name	Input Value		
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL		
HandWheelPos_HwDeg_T_f32	-600.460022		
LimitPosition_HwDeg_T_f32	-800.150024		
VehicleSpeed_Kph_T_f32	400.100006		
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	224		
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	656		
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	672		
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	688		
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	832		
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	2480		
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	2496		
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	2512		
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	976		
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	2912		
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	2928		
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	2944		
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	384		
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	1136		
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	1152		
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	1168		
t2_EOTEnterGainY_Uls_u1p15[0][0]	8		
t2_EOTEnterGainY_Uls_u1p15[0][1]	9		
t2_EOTEnterGainY_Uls_u1p15[0][2]	118		
t2_EOTEnterGainY_Uls_u1p15[0][3]	1144		
t2_EOTEnterGainY_Uls_u1p15[1][0]	9		
t2_EOTEnterGainY_Uls_u1p15[1][1]	10		
t2_EOTEnterGainY_Uls_u1p15[1][2]	147		
t2_EOTEnterGainY_Uls_u1p15[1][3]	1429		
t2_EOTEnterGainY_Uls_u1p15[2][0]	9		
t2_EOTEnterGainY_Uls_u1p15[2][1]	9		
t2_EOTEnterGainY_Uls_u1p15[2][2]	137		
t2_EOTEnterGainY_Uls_u1p15[2][3]	1334		
t2_EOTEnterGainY_Uls_u1p15[3][0]	10		
t2_EOTEnterGainY_Uls_u1p15[3][1]	11		
t2_EOTEnterGainY_Uls_u1p15[3][2]	196		
t2_EOTEnterGainY_Uls_u1p15[3][3]	1904		
t_EOTEnterGainVspd_Kph_u9p7[0]	1664		
t_EOTEnterGainVspd_Kph_u9p7[1]	4864		
t_EOTEnterGainVspd_Kph_u9p7[2]	4992		
t_EOTEnterGainVspd_Kph_u9p7[3]	5120		
Name	Actual Value	Expected Value	Result
SES_CalcEnterGain()	0.0581054688	0.0581054688 ± 0.0078125	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
BilinearXMYM_u16_u16XMu16YM_Cnt	1	BilinearXMYM_u16_u16XMu16YM_Cnt	1	✓

## Test Step 2.14 (Repeat Count = 1)

Name	Input Value
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED

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SES\_CalcEnterGain



Name	Input Value		
HandWheelPos_HwDeg_T_f32	500.339996		
LimitPosition_HwDeg_T_f32	200.979996		
VehicleSpeed_Kph_T_f32	200.024994		
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	240		
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	704		
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	720		
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	736		
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	848		
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	2528		
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	2544		
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	2560		
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	992		
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	2960		
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	2976		
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	2992		
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	400		
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	1184		
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	1200		
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	1216		
t2_EOTEnterGainY_Uls_u1p15[0][0]	8		
t2_EOTEnterGainY_Uls_u1p15[0][1]	9		
t2_EOTEnterGainY_Uls_u1p15[0][2]	127		
t2_EOTEnterGainY_Uls_u1p15[0][3]	1239		
t2_EOTEnterGainY_Uls_u1p15[1][0]	9		
t2_EOTEnterGainY_Uls_u1p15[1][1]	10		
t2_EOTEnterGainY_Uls_u1p15[1][2]	157		
t2_EOTEnterGainY_Uls_u1p15[1][3]	1524		
t2_EOTEnterGainY_Uls_u1p15[2][0]	9		
t2_EOTEnterGainY_Uls_u1p15[2][1]	10		
t2_EOTEnterGainY_Uls_u1p15[2][2]	147		
t2_EOTEnterGainY_Uls_u1p15[2][3]	1429		
t2_EOTEnterGainY_Uls_u1p15[3][0]	11		
t2_EOTEnterGainY_Uls_u1p15[3][1]	11		
t2_EOTEnterGainY_Uls_u1p15[3][2]	206		
t2_EOTEnterGainY_Uls_u1p15[3][3]	1999		
t_EOTEnterGainVspd_Kph_u9p7[0]	1792		
t_EOTEnterGainVspd_Kph_u9p7[1]	5248		
t_EOTEnterGainVspd_Kph_u9p7[2]	5376		
t_EOTEnterGainVspd_Kph_u9p7[3]	5504		
Name	Actual Value	Expected Value	Result
SES_CalcEnterGain()	1	1 ± 0.0078125	✔

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
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL
HandWheelPos_HwDeg_T_f32	500.339996
LimitPosition_HwDeg_T_f32	200.979996
VehicleSpeed_Kph_T_f32	200.024994
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	240
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	704
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	720
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	736
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	848
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	2528
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	2544
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	2560
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	992
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	2960
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	2976
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	2992
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	400
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	1184
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	1200
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	1216
t2_EOTEnterGainY_Uls_u1p15[0][0]	8
t2_EOTEnterGainY_Uls_u1p15[0][1]	9

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SES\_CalcEnterGain

Name	Input Value		
t2_EOTEnterGainY_Uls_u1p15[0][2]	127		
t2_EOTEnterGainY_Uls_u1p15[0][3]	1239		
t2_EOTEnterGainY_Uls_u1p15[1][0]	9		
t2_EOTEnterGainY_Uls_u1p15[1][1]	10		
t2_EOTEnterGainY_Uls_u1p15[1][2]	157		
t2_EOTEnterGainY_Uls_u1p15[1][3]	1524		
t2_EOTEnterGainY_Uls_u1p15[2][0]	9		
t2_EOTEnterGainY_Uls_u1p15[2][1]	10		
t2_EOTEnterGainY_Uls_u1p15[2][2]	147		
t2_EOTEnterGainY_Uls_u1p15[2][3]	1429		
t2_EOTEnterGainY_Uls_u1p15[3][0]	11		
t2_EOTEnterGainY_Uls_u1p15[3][1]	11		
t2_EOTEnterGainY_Uls_u1p15[3][2]	206		
t2_EOTEnterGainY_Uls_u1p15[3][3]	1999		
t_EOTEnterGainVspd_Kph_u9p7[0]	1792		
t_EOTEnterGainVspd_Kph_u9p7[1]	5248		
t_EOTEnterGainVspd_Kph_u9p7[2]	5376		
t_EOTEnterGainVspd_Kph_u9p7[3]	5504		
Name	Actual Value	Expected Value	Result
SES_CalcEnterGain()	0.000335693359	0.00033569301 ± 0.0078125	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
BilinearXYM_u16_u16XMu16YM_Cnt	1	BilinearXYM_u16_u16XMu16YM_Cnt	1	✓

Test Step 2.16 (Repeat Count = 1)				
Name		Input Value		
EOTActuatorMng_SESState_Uls_M_enum		SES_ENTERING		
HandWheelPos_HwDeg_T_f32		-500.179993		
LimitPosition_HwDeg_T_f32		-600.159973		
VehicleSpeed_Kph_T_f32		300.510406		
t2_EOTEnterGainX_HwDeg_u12p4[0][0]		256		
t2_EOTEnterGainX_HwDeg_u12p4[0][1]		752		
t2_EOTEnterGainX_HwDeg_u12p4[0][2]		768		
t2_EOTEnterGainX_HwDeg_u12p4[0][3]		784		
t2_EOTEnterGainX_HwDeg_u12p4[1][0]		864		
t2_EOTEnterGainX_HwDeg_u12p4[1][1]		2576		
t2_EOTEnterGainX_HwDeg_u12p4[1][2]		2592		
t2_EOTEnterGainX_HwDeg_u12p4[1][3]		2608		
t2_EOTEnterGainX_HwDeg_u12p4[2][0]		1008		
t2_EOTEnterGainX_HwDeg_u12p4[2][1]		3008		
t2_EOTEnterGainX_HwDeg_u12p4[2][2]		3024		
t2_EOTEnterGainX_HwDeg_u12p4[2][3]		3040		
t2_EOTEnterGainX_HwDeg_u12p4[3][0]		416		
t2_EOTEnterGainX_HwDeg_u12p4[3][1]		1232		
t2_EOTEnterGainX_HwDeg_u12p4[3][2]		1248		
t2_EOTEnterGainX_HwDeg_u12p4[3][3]		1264		
t2_EOTEnterGainY_Uls_u1p15[0][0]		9		
t2_EOTEnterGainY_Uls_u1p15[0][1]		9		
t2_EOTEnterGainY_Uls_u1p15[0][2]		137		
t2_EOTEnterGainY_Uls_u1p15[0][3]		1334		
t2_EOTEnterGainY_Uls_u1p15[1][0]		10		
t2_EOTEnterGainY_Uls_u1p15[1][1]		10		
t2_EOTEnterGainY_Uls_u1p15[1][2]		167		
t2_EOTEnterGainY_Uls_u1p15[1][3]		1619		
t2_EOTEnterGainY_Uls_u1p15[2][0]		9		
t2_EOTEnterGainY_Uls_u1p15[2][1]		10		
t2_EOTEnterGainY_Uls_u1p15[2][2]		157		
t2_EOTEnterGainY_Uls_u1p15[2][3]		1524		
t2_EOTEnterGainY_Uls_u1p15[3][0]		11		
t2_EOTEnterGainY_Uls_u1p15[3][1]		12		
t2_EOTEnterGainY_Uls_u1p15[3][2]		216		
t2_EOTEnterGainY_Uls_u1p15[3][3]		2094		
t_EOTEnterGainVspd_Kph_u9p7[0]		1920		
t_EOTEnterGainVspd_Kph_u9p7[1]		5632		
t_EOTEnterGainVspd_Kph_u9p7[2]		5760		
t_EOTEnterGainVspd_Kph_u9p7[3]		5888		
Name		Actual Value	Expected Value	Result
SES_CalcEnterGain()		0.0639038086	0.0639038086 ± 0.0078125	

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SES\_CalcEnterGain



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
BilinearXYMY_u16_u16XMu16YM_Cnt	1	BilinearXYMY_u16_u16XMu16YM_Cnt	1	✓

## Test Step 2.17 (Repeat Count = 1)

Name	Input Value		
EOTActuatorMng_SESState_Uls_M_enum	SES_EXITING		
HandWheelPos_HwDeg_T_f32	-500.179993		
LimitPosition_HwDeg_T_f32	-600.159973		
VehicleSpeed_Kph_T_f32	300.510406		
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	256		
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	752		
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	768		
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	784		
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	864		
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	2576		
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	2592		
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	2608		
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1008		
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	3008		
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	3024		
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	3040		
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	416		
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	1232		
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	1248		
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	1264		
t2_EOTEnterGainY_Uls_u1p15[0][0]	9		
t2_EOTEnterGainY_Uls_u1p15[0][1]	9		
t2_EOTEnterGainY_Uls_u1p15[0][2]	137		
t2_EOTEnterGainY_Uls_u1p15[0][3]	1334		
t2_EOTEnterGainY_Uls_u1p15[1][0]	10		
t2_EOTEnterGainY_Uls_u1p15[1][1]	10		
t2_EOTEnterGainY_Uls_u1p15[1][2]	167		
t2_EOTEnterGainY_Uls_u1p15[1][3]	1619		
t2_EOTEnterGainY_Uls_u1p15[2][0]	9		
t2_EOTEnterGainY_Uls_u1p15[2][1]	10		
t2_EOTEnterGainY_Uls_u1p15[2][2]	157		
t2_EOTEnterGainY_Uls_u1p15[2][3]	1524		
t2_EOTEnterGainY_Uls_u1p15[3][0]	11		
t2_EOTEnterGainY_Uls_u1p15[3][1]	12		
t2_EOTEnterGainY_Uls_u1p15[3][2]	216		
t2_EOTEnterGainY_Uls_u1p15[3][3]	2094		
t_EOTEnterGainVspd_Kph_u9p7[0]	1920		
t_EOTEnterGainVspd_Kph_u9p7[1]	5632		
t_EOTEnterGainVspd_Kph_u9p7[2]	5760		
t_EOTEnterGainVspd_Kph_u9p7[3]	5888		
Name	Actual Value	Expected Value	Result
SES_CalcEnterGain()	0.0639038086	0.0639038086 ± 0.0078125	✔

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
BilinearXYMY_u16_u16XMu16YM_Cnt	1	BilinearXYMY_u16_u16XMu16YM_Cnt	1	✓

## Test Step 2.18 (Repeat Count = 1)

Name	Input Value
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL
HandWheelPos_HwDeg_T_f32	777.75
LimitPosition_HwDeg_T_f32	666.359985
VehicleSpeed_Kph_T_f32	125.851997
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	272
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	800
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	816
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	832
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	880
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	2624
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	2640
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	2656

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SES\_CalcEnterGain

Name	Input Value		
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1024		
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	3056		
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	3072		
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	3088		
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	432		
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	1280		
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	1296		
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	1312		
t2_EOTEnterGainY_Uls_u1p15[0][0]	9		
t2_EOTEnterGainY_Uls_u1p15[0][1]	10		
t2_EOTEnterGainY_Uls_u1p15[0][2]	147		
t2_EOTEnterGainY_Uls_u1p15[0][3]	1429		
t2_EOTEnterGainY_Uls_u1p15[1][0]	10		
t2_EOTEnterGainY_Uls_u1p15[1][1]	10		
t2_EOTEnterGainY_Uls_u1p15[1][2]	176		
t2_EOTEnterGainY_Uls_u1p15[1][3]	1714		
t2_EOTEnterGainY_Uls_u1p15[2][0]	10		
t2_EOTEnterGainY_Uls_u1p15[2][1]	10		
t2_EOTEnterGainY_Uls_u1p15[2][2]	167		
t2_EOTEnterGainY_Uls_u1p15[2][3]	1619		
t2_EOTEnterGainY_Uls_u1p15[3][0]	11		
t2_EOTEnterGainY_Uls_u1p15[3][1]	12		
t2_EOTEnterGainY_Uls_u1p15[3][2]	225		
t2_EOTEnterGainY_Uls_u1p15[3][3]	2189		
t_EOTEnterGainVspd_Kph_u9p7[0]	0		
t_EOTEnterGainVspd_Kph_u9p7[1]	0		
t_EOTEnterGainVspd_Kph_u9p7[2]	0		
t_EOTEnterGainVspd_Kph_u9p7[3]	0		
Name	Actual Value	Expected Value	Result
SES_CalcEnterGain()	0.000274658203	0.000274657999 ± 0.0078125	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
BilinearXMYM_u16_u16XMu16YM_Cnt	1	BilinearXMYM_u16_u16XMu16YM_Cnt	1	✓

Test Step 2.19 (Repeat Count = 1)	
Name	Input Value
EOTActuatorMng_SESState_Uls_M_enum	SES_ENTERING
HandWheelPos_HwDeg_T_f32	-111.459999
LimitPosition_HwDeg_T_f32	-777.640015
VehicleSpeed_Kph_T_f32	366.126007
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	288
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	848
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	864
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	880
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	896
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	2672
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	2688
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	2704
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1040
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	3104
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	3120
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	3136
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	448
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	1328
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	1344
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	1360
t2_EOTEnterGainY_Uls_u1p15[0][0]	9
t2_EOTEnterGainY_Uls_u1p15[0][1]	10
t2_EOTEnterGainY_Uls_u1p15[0][2]	157
t2_EOTEnterGainY_Uls_u1p15[0][3]	1524
t2_EOTEnterGainY_Uls_u1p15[1][0]	10
t2_EOTEnterGainY_Uls_u1p15[1][1]	11
t2_EOTEnterGainY_Uls_u1p15[1][2]	186
t2_EOTEnterGainY_Uls_u1p15[1][3]	1809
t2_EOTEnterGainY_Uls_u1p15[2][0]	10
t2_EOTEnterGainY_Uls_u1p15[2][1]	10
t2_EOTEnterGainY_Uls_u1p15[2][2]	176
t2_EOTEnterGainY_Uls_u1p15[2][3]	1714
t2_EOTEnterGainY_Uls_u1p15[3][0]	12

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SES\_CalcEnterGain

Name	Input Value		
t2_EOTEnterGainY_Uls_u1p15[3][1]	12		
t2_EOTEnterGainY_Uls_u1p15[3][2]	235		
t2_EOTEnterGainY_Uls_u1p15[3][3]	2284		
t_EOTEnterGainVspd_Kph_u9p7[0]	32640		
t_EOTEnterGainVspd_Kph_u9p7[1]	32640		
t_EOTEnterGainVspd_Kph_u9p7[2]	32640		
t_EOTEnterGainVspd_Kph_u9p7[3]	32640		
Name	Actual Value	Expected Value	Result
SES_CalcEnterGain()	0.00479125977	0.00479126023 ± 0.0078125	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
BilinearXMYM_u16_u16XMu16YM_Cnt	1	BilinearXMYM_u16_u16XMu16YM_Cnt	1	✓

Test Step 2.20 (Repeat Count = 1)				
Name		Input Value		
EOTActuatorMng_SESState_Uls_M_enum		SES_NORMAL		
HandWheelPos_HwDeg_T_f32		222.949997		
LimitPosition_HwDeg_T_f32		888.280029		
VehicleSpeed_Kph_T_f32		378.354004		
t2_EOTEnterGainX_HwDeg_u12p4[0][0]		304		
t2_EOTEnterGainX_HwDeg_u12p4[0][1]		896		
t2_EOTEnterGainX_HwDeg_u12p4[0][2]		912		
t2_EOTEnterGainX_HwDeg_u12p4[0][3]		928		
t2_EOTEnterGainX_HwDeg_u12p4[1][0]		560		
t2_EOTEnterGainX_HwDeg_u12p4[1][1]		1664		
t2_EOTEnterGainX_HwDeg_u12p4[1][2]		1680		
t2_EOTEnterGainX_HwDeg_u12p4[1][3]		1696		
t2_EOTEnterGainX_HwDeg_u12p4[2][0]		560		
t2_EOTEnterGainX_HwDeg_u12p4[2][1]		1664		
t2_EOTEnterGainX_HwDeg_u12p4[2][2]		1680		
t2_EOTEnterGainX_HwDeg_u12p4[2][3]		1696		
t2_EOTEnterGainX_HwDeg_u12p4[3][0]		464		
t2_EOTEnterGainX_HwDeg_u12p4[3][1]		1376		
t2_EOTEnterGainX_HwDeg_u12p4[3][2]		1392		
t2_EOTEnterGainX_HwDeg_u12p4[3][3]		1408		
t2_EOTEnterGainY_Uls_u1p15[0][0]		10		
t2_EOTEnterGainY_Uls_u1p15[0][1]		10		
t2_EOTEnterGainY_Uls_u1p15[0][2]		167		
t2_EOTEnterGainY_Uls_u1p15[0][3]		1619		
t2_EOTEnterGainY_Uls_u1p15[1][0]		10		
t2_EOTEnterGainY_Uls_u1p15[1][1]		11		
t2_EOTEnterGainY_Uls_u1p15[1][2]		196		
t2_EOTEnterGainY_Uls_u1p15[1][3]		1904		
t2_EOTEnterGainY_Uls_u1p15[2][0]		10		
t2_EOTEnterGainY_Uls_u1p15[2][1]		11		
t2_EOTEnterGainY_Uls_u1p15[2][2]		186		
t2_EOTEnterGainY_Uls_u1p15[2][3]		1809		
t2_EOTEnterGainY_Uls_u1p15[3][0]		12		
t2_EOTEnterGainY_Uls_u1p15[3][1]		13		
t2_EOTEnterGainY_Uls_u1p15[3][2]		245		
t2_EOTEnterGainY_Uls_u1p15[3][3]		2379		
t_EOTEnterGainVspd_Kph_u9p7[0]		0		
t_EOTEnterGainVspd_Kph_u9p7[1]		640		
t_EOTEnterGainVspd_Kph_u9p7[2]		1280		
t_EOTEnterGainVspd_Kph_u9p7[3]		2560		
Name		Actual Value	Expected Value	Result
SES_CalcEnterGain()		0.0726013184	0.0726013184 ± 0.0078125	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
BilinearXMYM_u16_u16XMu16YM_Cnt	1	BilinearXMYM_u16_u16XMu16YM_Cnt	1	✓

Test Step 2.21 (Repeat Count = 1)	
Name	Input Value
EOTActuatorMng_SESState_Uls_M_enum	SES_ENTERING

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SES\_CalcEnterGain

Name	Input Value		
HandWheelPos_HwDeg_T_f32	-222.190002		
LimitPosition_HwDeg_T_f32	-999.640015		
VehicleSpeed_Kph_T_f32	433.85199		
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	0		
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	0		
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	0		
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	0		
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	0		
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	0		
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	0		
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	0		
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	0		
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	0		
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	0		
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	0		
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	0		
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	0		
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	0		
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	0		
t2_EOTEnterGainY_Uls_u1p15[0][0]	10		
t2_EOTEnterGainY_Uls_u1p15[0][1]	10		
t2_EOTEnterGainY_Uls_u1p15[0][2]	176		
t2_EOTEnterGainY_Uls_u1p15[0][3]	1714		
t2_EOTEnterGainY_Uls_u1p15[1][0]	11		
t2_EOTEnterGainY_Uls_u1p15[1][1]	11		
t2_EOTEnterGainY_Uls_u1p15[1][2]	206		
t2_EOTEnterGainY_Uls_u1p15[1][3]	1999		
t2_EOTEnterGainY_Uls_u1p15[2][0]	10		
t2_EOTEnterGainY_Uls_u1p15[2][1]	11		
t2_EOTEnterGainY_Uls_u1p15[2][2]	196		
t2_EOTEnterGainY_Uls_u1p15[2][3]	1904		
t2_EOTEnterGainY_Uls_u1p15[3][0]	12		
t2_EOTEnterGainY_Uls_u1p15[3][1]	13		
t2_EOTEnterGainY_Uls_u1p15[3][2]	255		
t2_EOTEnterGainY_Uls_u1p15[3][3]	2474		
t_EOTEnterGainVspd_Kph_u9p7[0]	2304		
t_EOTEnterGainVspd_Kph_u9p7[1]	6784		
t_EOTEnterGainVspd_Kph_u9p7[2]	6912		
t_EOTEnterGainVspd_Kph_u9p7[3]	7040		
Name	Actual Value	Expected Value	Result
SES_CalcEnterGain()	0.000305175781	0.000305176014 ± 0.0078125	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
BilinearXYM_u16_u16XMu16YM_Cnt	1	BilinearXYM_u16_u16XMu16YM_Cnt	1	✓

Test Step 2.22 (Repeat Count = 1)	
Name	Input Value
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL
HandWheelPos_HwDeg_T_f32	333.640015
LimitPosition_HwDeg_T_f32	1000.31
VehicleSpeed_Kph_T_f32	276.153992
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	14400
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	14400
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	14400
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	14400
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	14400
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	14400
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	14400
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	14400
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	14400
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	14400
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	14400
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	14400
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	14400
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	14400
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	14400
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	14400
t2_EOTEnterGainY_Uls_u1p15[0][0]	10
t2_EOTEnterGainY_Uls_u1p15[0][1]	11



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SES\_CalcEnterGain

Name	Input Value		
t2_EOTEnterGainY_Uls_u1p15[0][2]	186		
t2_EOTEnterGainY_Uls_u1p15[0][3]	1809		
t2_EOTEnterGainY_Uls_u1p15[1][0]	11		
t2_EOTEnterGainY_Uls_u1p15[1][1]	12		
t2_EOTEnterGainY_Uls_u1p15[1][2]	216		
t2_EOTEnterGainY_Uls_u1p15[1][3]	2094		
t2_EOTEnterGainY_Uls_u1p15[2][0]	11		
t2_EOTEnterGainY_Uls_u1p15[2][1]	11		
t2_EOTEnterGainY_Uls_u1p15[2][2]	206		
t2_EOTEnterGainY_Uls_u1p15[2][3]	1999		
t2_EOTEnterGainY_Uls_u1p15[3][0]	13		
t2_EOTEnterGainY_Uls_u1p15[3][1]	13		
t2_EOTEnterGainY_Uls_u1p15[3][2]	265		
t2_EOTEnterGainY_Uls_u1p15[3][3]	2569		
t_EOTEnterGainVspd_Kph_u9p7[0]	2432		
t_EOTEnterGainVspd_Kph_u9p7[1]	7168		
t_EOTEnterGainVspd_Kph_u9p7[2]	7296		
t_EOTEnterGainVspd_Kph_u9p7[3]	7424		
Name	Actual Value	Expected Value	Result
SES_CalcEnterGain()	0.000335693359	0.00033569301 ± 0.0078125	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
BilinearXYM_u16_u16XMu16YM_Cnt	1	BilinearXYM_u16_u16XMu16YM_Cnt	1	✓

Test Step 2.23 (Repeat Count = 1)				✓
Name		Input Value		
EOTActuatorMng_SESState_Uls_M_enum		SES_ENTERING		
HandWheelPos_HwDeg_T_f32		-333.519989		
LimitPosition_HwDeg_T_f32		-1111.18005		
VehicleSpeed_Kph_T_f32		478.85199		
t2_EOTEnterGainX_HwDeg_u12p4[0][0]		0		
t2_EOTEnterGainX_HwDeg_u12p4[0][1]		480		
t2_EOTEnterGainX_HwDeg_u12p4[0][2]		960		
t2_EOTEnterGainX_HwDeg_u12p4[0][3]		1440		
t2_EOTEnterGainX_HwDeg_u12p4[1][0]		0		
t2_EOTEnterGainX_HwDeg_u12p4[1][1]		480		
t2_EOTEnterGainX_HwDeg_u12p4[1][2]		960		
t2_EOTEnterGainX_HwDeg_u12p4[1][3]		1440		
t2_EOTEnterGainX_HwDeg_u12p4[2][0]		0		
t2_EOTEnterGainX_HwDeg_u12p4[2][1]		480		
t2_EOTEnterGainX_HwDeg_u12p4[2][2]		960		
t2_EOTEnterGainX_HwDeg_u12p4[2][3]		1440		
t2_EOTEnterGainX_HwDeg_u12p4[3][0]		0		
t2_EOTEnterGainX_HwDeg_u12p4[3][1]		480		
t2_EOTEnterGainX_HwDeg_u12p4[3][2]		960		
t2_EOTEnterGainX_HwDeg_u12p4[3][3]		1440		
t2_EOTEnterGainY_Uls_u1p15[0][0]		10		
t2_EOTEnterGainY_Uls_u1p15[0][1]		11		
t2_EOTEnterGainY_Uls_u1p15[0][2]		196		
t2_EOTEnterGainY_Uls_u1p15[0][3]		1904		
t2_EOTEnterGainY_Uls_u1p15[1][0]		11		
t2_EOTEnterGainY_Uls_u1p15[1][1]		12		
t2_EOTEnterGainY_Uls_u1p15[1][2]		225		
t2_EOTEnterGainY_Uls_u1p15[1][3]		2189		
t2_EOTEnterGainY_Uls_u1p15[2][0]		11		
t2_EOTEnterGainY_Uls_u1p15[2][1]		12		
t2_EOTEnterGainY_Uls_u1p15[2][2]		216		
t2_EOTEnterGainY_Uls_u1p15[2][3]		2094		
t2_EOTEnterGainY_Uls_u1p15[3][0]		13		
t2_EOTEnterGainY_Uls_u1p15[3][1]		14		
t2_EOTEnterGainY_Uls_u1p15[3][2]		274		
t2_EOTEnterGainY_Uls_u1p15[3][3]		2664		
t_EOTEnterGainVspd_Kph_u9p7[0]		2560		
t_EOTEnterGainVspd_Kph_u9p7[1]		7552		
t_EOTEnterGainVspd_Kph_u9p7[2]		7680		
t_EOTEnterGainVspd_Kph_u9p7[3]		7808		
Name		Actual Value	Expected Value	Result
SES_CalcEnterGain()		0.0812988281	0.0812988281 ± 0.0078125	✓

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SES\_CalcEnterGain



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
BilinearXYMY_u16_u16XMu16YM_Cnt	1	BilinearXYMY_u16_u16XMu16YM_Cnt	1	✓

## Test Step 2.24 (Repeat Count = 1)

Name	Input Value		
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL		
HandWheelPos_HwDeg_T_f32	444.75		
LimitPosition_HwDeg_T_f32	1244.64001		
VehicleSpeed_Kph_T_f32	299.356995		
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	336		
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	992		
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	1008		
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	1024		
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	480		
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	1424		
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	1440		
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	1456		
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1120		
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	3344		
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	3360		
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	3376		
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	80		
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	224		
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	240		
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	256		
t2_EOTEnterGainY_Uls_u1p15[0][0]	0		
t2_EOTEnterGainY_Uls_u1p15[0][1]	0		
t2_EOTEnterGainY_Uls_u1p15[0][2]	0		
t2_EOTEnterGainY_Uls_u1p15[0][3]	0		
t2_EOTEnterGainY_Uls_u1p15[1][0]	0		
t2_EOTEnterGainY_Uls_u1p15[1][1]	0		
t2_EOTEnterGainY_Uls_u1p15[1][2]	0		
t2_EOTEnterGainY_Uls_u1p15[1][3]	0		
t2_EOTEnterGainY_Uls_u1p15[2][0]	0		
t2_EOTEnterGainY_Uls_u1p15[2][1]	0		
t2_EOTEnterGainY_Uls_u1p15[2][2]	0		
t2_EOTEnterGainY_Uls_u1p15[2][3]	0		
t2_EOTEnterGainY_Uls_u1p15[3][0]	0		
t2_EOTEnterGainY_Uls_u1p15[3][1]	0		
t2_EOTEnterGainY_Uls_u1p15[3][2]	0		
t2_EOTEnterGainY_Uls_u1p15[3][3]	0		
t_EOTEnterGainVspd_Kph_u9p7[0]	2688		
t_EOTEnterGainVspd_Kph_u9p7[1]	7936		
t_EOTEnterGainVspd_Kph_u9p7[2]	8064		
t_EOTEnterGainVspd_Kph_u9p7[3]	8192		
Name	Actual Value	Expected Value	Result
SES_CalcEnterGain()	0	0 ± 0.0078125	✔

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
BilinearXYMY_u16_u16XMu16YM_Cnt	1	BilinearXYMY_u16_u16XMu16YM_Cnt	1	✓

## Test Step 2.25 (Repeat Count = 1)

Name	Input Value
EOTActuatorMng_SESState_Uls_M_enum	SES_ENTERING
HandWheelPos_HwDeg_T_f32	-555.840027
LimitPosition_HwDeg_T_f32	-1356.17004
VehicleSpeed_Kph_T_f32	165.158997
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	352
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	1040
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	1056
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	1072
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	496
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	1472
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	1488
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	1504

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SES\_CalcEnterGain

Name	Input Value		
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1136		
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	3392		
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	3408		
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	3424		
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	96		
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	272		
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	288		
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	304		
t2_EOTEnterGainY_Uls_u1p15[0][0]	32768		
t2_EOTEnterGainY_Uls_u1p15[0][1]	32768		
t2_EOTEnterGainY_Uls_u1p15[0][2]	32768		
t2_EOTEnterGainY_Uls_u1p15[0][3]	32768		
t2_EOTEnterGainY_Uls_u1p15[1][0]	32768		
t2_EOTEnterGainY_Uls_u1p15[1][1]	32768		
t2_EOTEnterGainY_Uls_u1p15[1][2]	32768		
t2_EOTEnterGainY_Uls_u1p15[1][3]	32768		
t2_EOTEnterGainY_Uls_u1p15[2][0]	32768		
t2_EOTEnterGainY_Uls_u1p15[2][1]	32768		
t2_EOTEnterGainY_Uls_u1p15[2][2]	32768		
t2_EOTEnterGainY_Uls_u1p15[2][3]	32768		
t2_EOTEnterGainY_Uls_u1p15[3][0]	32768		
t2_EOTEnterGainY_Uls_u1p15[3][1]	32768		
t2_EOTEnterGainY_Uls_u1p15[3][2]	32768		
t2_EOTEnterGainY_Uls_u1p15[3][3]	32768		
t_EOTEnterGainVspd_Kph_u9p7[0]	2816		
t_EOTEnterGainVspd_Kph_u9p7[1]	8320		
t_EOTEnterGainVspd_Kph_u9p7[2]	8448		
t_EOTEnterGainVspd_Kph_u9p7[3]	8576		
Name	Actual Value	Expected Value	Result
SES_CalcEnterGain()	1	1 ± 0.0078125	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
BilinearXMYM_u16_u16XMu16YM_Cnt	1	BilinearXMYM_u16_u16XMu16YM_Cnt	1	✓

Test Step 2.26 (Repeat Count = 1)	
Name	Input Value
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL
HandWheelPos_HwDeg_T_f32	999.460022
LimitPosition_HwDeg_T_f32	852.840027
VehicleSpeed_Kph_T_f32	183.654007
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	368
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	1088
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	1104
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	1120
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	512
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	1520
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	1536
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	1552
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1152
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	3440
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	3456
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	3472
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	112
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	320
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	336
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	352
t2_EOTEnterGainY_Uls_u1p15[0][0]	0
t2_EOTEnterGainY_Uls_u1p15[0][1]	10813
t2_EOTEnterGainY_Uls_u1p15[0][2]	21627
t2_EOTEnterGainY_Uls_u1p15[0][3]	32768
t2_EOTEnterGainY_Uls_u1p15[1][0]	0
t2_EOTEnterGainY_Uls_u1p15[1][1]	10813
t2_EOTEnterGainY_Uls_u1p15[1][2]	21627
t2_EOTEnterGainY_Uls_u1p15[1][3]	32768
t2_EOTEnterGainY_Uls_u1p15[2][0]	0
t2_EOTEnterGainY_Uls_u1p15[2][1]	10813
t2_EOTEnterGainY_Uls_u1p15[2][2]	21627
t2_EOTEnterGainY_Uls_u1p15[2][3]	32768
t2_EOTEnterGainY_Uls_u1p15[3][0]	0

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SES\_CalcEnterGain

Name	Input Value		
t2_EOTEnterGainY_Uls_u1p15[3][1]	10813		
t2_EOTEnterGainY_Uls_u1p15[3][2]	21627		
t2_EOTEnterGainY_Uls_u1p15[3][3]	32768		
t_EOTEnterGainVspd_Kph_u9p7[0]	1280		
t_EOTEnterGainVspd_Kph_u9p7[1]	2560		
t_EOTEnterGainVspd_Kph_u9p7[2]	3840		
t_EOTEnterGainVspd_Kph_u9p7[3]	5120		
Name	Actual Value	Expected Value	Result
SES_CalcEnterGain()	0	0 ± 0.0078125	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
BilinearXMYM_u16_u16XMu16YM_Cnt	1	BilinearXMYM_u16_u16XMu16YM_Cnt	1	✓

## Test Step 2.27 (Repeat Count = 1)

Name	Input Value		
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED		
HandWheelPos_HwDeg_T_f32	-1440.10999		
LimitPosition_HwDeg_T_f32	-1440.10999		
VehicleSpeed_Kph_T_f32	0		
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	0		
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	0		
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	0		
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	0		
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	0		
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	0		
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	0		
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	0		
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	0		
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	0		
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	0		
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	0		
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	0		
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	0		
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	0		
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	0		
t2_EOTEnterGainY_Uls_u1p15[0][0]	0		
t2_EOTEnterGainY_Uls_u1p15[0][1]	0		
t2_EOTEnterGainY_Uls_u1p15[0][2]	0		
t2_EOTEnterGainY_Uls_u1p15[0][3]	0		
t2_EOTEnterGainY_Uls_u1p15[1][0]	0		
t2_EOTEnterGainY_Uls_u1p15[1][1]	0		
t2_EOTEnterGainY_Uls_u1p15[1][2]	0		
t2_EOTEnterGainY_Uls_u1p15[1][3]	0		
t2_EOTEnterGainY_Uls_u1p15[2][0]	0		
t2_EOTEnterGainY_Uls_u1p15[2][1]	0		
t2_EOTEnterGainY_Uls_u1p15[2][2]	0		
t2_EOTEnterGainY_Uls_u1p15[2][3]	0		
t2_EOTEnterGainY_Uls_u1p15[3][0]	0		
t2_EOTEnterGainY_Uls_u1p15[3][1]	0		
t2_EOTEnterGainY_Uls_u1p15[3][2]	0		
t2_EOTEnterGainY_Uls_u1p15[3][3]	0		
t_EOTEnterGainVspd_Kph_u9p7[0]	0		
t_EOTEnterGainVspd_Kph_u9p7[1]	0		
t_EOTEnterGainVspd_Kph_u9p7[2]	0		
t_EOTEnterGainVspd_Kph_u9p7[3]	0		
Name	Actual Value	Expected Value	Result
SES_CalcEnterGain()	1	1 ± 0.0078125	✔

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
EOTActuatorMng_SESState_Uls_M_enum	SES_EXITING

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SES\_CalcEnterGain



Name	Input Value		
HandWheelPos_HwDeg_T_f32	1440.10999		
LimitPosition_HwDeg_T_f32	1440.10999		
VehicleSpeed_Kph_T_f32	511.992188		
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	14400		
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	14400		
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	14400		
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	14400		
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	14400		
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	14400		
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	14400		
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	14400		
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	14400		
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	14400		
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	14400		
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	14400		
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	14400		
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	14400		
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	14400		
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	14400		
t2_EOTEnterGainY_Uls_u1p15[0][0]	32768		
t2_EOTEnterGainY_Uls_u1p15[0][1]	32768		
t2_EOTEnterGainY_Uls_u1p15[0][2]	32768		
t2_EOTEnterGainY_Uls_u1p15[0][3]	32768		
t2_EOTEnterGainY_Uls_u1p15[1][0]	32768		
t2_EOTEnterGainY_Uls_u1p15[1][1]	32768		
t2_EOTEnterGainY_Uls_u1p15[1][2]	32768		
t2_EOTEnterGainY_Uls_u1p15[1][3]	32768		
t2_EOTEnterGainY_Uls_u1p15[2][0]	32768		
t2_EOTEnterGainY_Uls_u1p15[2][1]	32768		
t2_EOTEnterGainY_Uls_u1p15[2][2]	32768		
t2_EOTEnterGainY_Uls_u1p15[2][3]	32768		
t2_EOTEnterGainY_Uls_u1p15[3][0]	32768		
t2_EOTEnterGainY_Uls_u1p15[3][1]	32768		
t2_EOTEnterGainY_Uls_u1p15[3][2]	32768		
t2_EOTEnterGainY_Uls_u1p15[3][3]	32768		
t_EOTEnterGainVspd_Kph_u9p7[0]	32640		
t_EOTEnterGainVspd_Kph_u9p7[1]	32640		
t_EOTEnterGainVspd_Kph_u9p7[2]	32640		
t_EOTEnterGainVspd_Kph_u9p7[3]	32640		
Name	Actual Value	Expected Value	Result
SES_CalcEnterGain()	1	1 ± 0.0078125	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
BilinearXYMY_u16_u16XMu16YM_Cnt	1	BilinearXYMY_u16_u16XMu16YM_Cnt	1	✓

## Test Case 3: Path Test

<b>Specification</b>	Performance Metrics (With "None" Instrumentation and WithPS Environment) CPU Cycles:  TS3.1 324 cycles TS3.2 9 cycles TS3.3 325 cycles
<b>Description</b>	Vector Description  TS3.1(SESState_Uls_M_enum <> SES_DISABLED)=TRUE TS3.2(SESState_Uls_M_enum <> SES_DISABLED)=FALSE TS3.3DeltaHwPos_HwDeg_T_f32 = Max_m(DeltaHwPos_HwDeg_T_f32, D_ZERO_ULS_F32) =>FALSE

### Test Step 3.1 (Repeat Count = 1)

Name	Input Value
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL
HandWheelPos_HwDeg_T_f32	-1000
LimitPosition_HwDeg_T_f32	1300
VehicleSpeed_Kph_T_f32	60
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	320
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	480
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	960
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	1440
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	1600

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SES\_CalcEnterGain

Name	Input Value		
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	2400		
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	3200		
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	4000		
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	4800		
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	5600		
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	6400		
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	7200		
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	8000		
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	8800		
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	9600		
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	10400		
t2_EOTEnterGainY_Uls_u1p15[0][0]	0		
t2_EOTEnterGainY_Uls_u1p15[0][1]	10813		
t2_EOTEnterGainY_Uls_u1p15[0][2]	21627		
t2_EOTEnterGainY_Uls_u1p15[0][3]	32768		
t2_EOTEnterGainY_Uls_u1p15[1][0]	3277		
t2_EOTEnterGainY_Uls_u1p15[1][1]	6554		
t2_EOTEnterGainY_Uls_u1p15[1][2]	13107		
t2_EOTEnterGainY_Uls_u1p15[1][3]	16384		
t2_EOTEnterGainY_Uls_u1p15[2][0]	33		
t2_EOTEnterGainY_Uls_u1p15[2][1]	22938		
t2_EOTEnterGainY_Uls_u1p15[2][2]	26214		
t2_EOTEnterGainY_Uls_u1p15[2][3]	29491		
t2_EOTEnterGainY_Uls_u1p15[3][0]	66		
t2_EOTEnterGainY_Uls_u1p15[3][1]	98		
t2_EOTEnterGainY_Uls_u1p15[3][2]	131		
t2_EOTEnterGainY_Uls_u1p15[3][3]	164		
t_EOTEnterGainVspd_Kph_u9p7[0]	0		
t_EOTEnterGainVspd_Kph_u9p7[1]	640		
t_EOTEnterGainVspd_Kph_u9p7[2]	1280		
t_EOTEnterGainVspd_Kph_u9p7[3]	2560		
Name	Actual Value	Expected Value	Result
SES_CalcEnterGain()	0.00201416016	0.00201415992 ± 0.0078125	✔

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
BilinearXYM_u16_u16XM_u16YM_Cnt	1	BilinearXYM_u16_u16XM_u16YM_Cnt	1	✓

## Test Step 3.2 (Repeat Count = 1)

Name	Input Value
EOTActuatorMng_SESSState_Uls_M_enum	SES_DISABLED
HandWheelPos_HwDeg_T_f32	500
LimitPosition_HwDeg_T_f32	200
VehicleSpeed_Kph_T_f32	200
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	320
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	480
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	960
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	1440
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	1600
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	2400
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	3200
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	4000
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	4800
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	5600
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	6400
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	7200
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	8000
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	8800
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	9600
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	10400
t2_EOTEnterGainY_Uls_u1p15[0][0]	0
t2_EOTEnterGainY_Uls_u1p15[0][1]	10813
t2_EOTEnterGainY_Uls_u1p15[0][2]	21627
t2_EOTEnterGainY_Uls_u1p15[0][3]	32768
t2_EOTEnterGainY_Uls_u1p15[1][0]	3277
t2_EOTEnterGainY_Uls_u1p15[1][1]	6554
t2_EOTEnterGainY_Uls_u1p15[1][2]	13107
t2_EOTEnterGainY_Uls_u1p15[1][3]	16384
t2_EOTEnterGainY_Uls_u1p15[2][0]	33
t2_EOTEnterGainY_Uls_u1p15[2][1]	22938

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SES\_CalcEnterGain

Name	Input Value		
t2_EOTEnterGainY_Uls_u1p15[2][2]	26214		
t2_EOTEnterGainY_Uls_u1p15[2][3]	29491		
t2_EOTEnterGainY_Uls_u1p15[3][0]	66		
t2_EOTEnterGainY_Uls_u1p15[3][1]	98		
t2_EOTEnterGainY_Uls_u1p15[3][2]	131		
t2_EOTEnterGainY_Uls_u1p15[3][3]	164		
t_EOTEnterGainVspd_Kph_u9p7[0]	0		
t_EOTEnterGainVspd_Kph_u9p7[1]	640		
t_EOTEnterGainVspd_Kph_u9p7[2]	1280		
t_EOTEnterGainVspd_Kph_u9p7[3]	2560		
Name	Actual Value	Expected Value	Result
SES_CalcEnterGain()	1	1 ± 0.0078125	✔

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

Test Step 3.3 (Repeat Count = 1)				✔
Name		Input Value		
EOTActuatorMng_SESSState_Uls_M_enum		SES_ENTERING		
HandWheelPos_HwDeg_T_f32		800.97998		
LimitPosition_HwDeg_T_f32		700.23999		
VehicleSpeed_Kph_T_f32		511.992188		
t2_EOTEnterGainX_HwDeg_u12p4[0][0]		208		
t2_EOTEnterGainX_HwDeg_u12p4[0][1]		608		
t2_EOTEnterGainX_HwDeg_u12p4[0][2]		624		
t2_EOTEnterGainX_HwDeg_u12p4[0][3]		640		
t2_EOTEnterGainX_HwDeg_u12p4[1][0]		816		
t2_EOTEnterGainX_HwDeg_u12p4[1][1]		2432		
t2_EOTEnterGainX_HwDeg_u12p4[1][2]		2448		
t2_EOTEnterGainX_HwDeg_u12p4[1][3]		2464		
t2_EOTEnterGainX_HwDeg_u12p4[2][0]		960		
t2_EOTEnterGainX_HwDeg_u12p4[2][1]		2864		
t2_EOTEnterGainX_HwDeg_u12p4[2][2]		2880		
t2_EOTEnterGainX_HwDeg_u12p4[2][3]		2896		
t2_EOTEnterGainX_HwDeg_u12p4[3][0]		368		
t2_EOTEnterGainX_HwDeg_u12p4[3][1]		1088		
t2_EOTEnterGainX_HwDeg_u12p4[3][2]		1104		
t2_EOTEnterGainX_HwDeg_u12p4[3][3]		1120		
t2_EOTEnterGainY_Uls_u1p15[0][0]		8		
t2_EOTEnterGainY_Uls_u1p15[0][1]		8		
t2_EOTEnterGainY_Uls_u1p15[0][2]		108		
t2_EOTEnterGainY_Uls_u1p15[0][3]		1049		
t2_EOTEnterGainY_Uls_u1p15[1][0]		9		
t2_EOTEnterGainY_Uls_u1p15[1][1]		9		
t2_EOTEnterGainY_Uls_u1p15[1][2]		137		
t2_EOTEnterGainY_Uls_u1p15[1][3]		1334		
t2_EOTEnterGainY_Uls_u1p15[2][0]		8		
t2_EOTEnterGainY_Uls_u1p15[2][1]		9		
t2_EOTEnterGainY_Uls_u1p15[2][2]		127		
t2_EOTEnterGainY_Uls_u1p15[2][3]		1239		
t2_EOTEnterGainY_Uls_u1p15[3][0]		10		
t2_EOTEnterGainY_Uls_u1p15[3][1]		11		
t2_EOTEnterGainY_Uls_u1p15[3][2]		186		
t2_EOTEnterGainY_Uls_u1p15[3][3]		1809		
t_EOTEnterGainVspd_Kph_u9p7[0]		1536		
t_EOTEnterGainVspd_Kph_u9p7[1]		4480		
t_EOTEnterGainVspd_Kph_u9p7[2]		4608		
t_EOTEnterGainVspd_Kph_u9p7[3]		4736		
Name		Actual Value	Expected Value	Result
SES_CalcEnterGain()		0.000305175781	0.000305175781 ± 0.0078125	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
BilinearXMYM_u16_u16XMu16YM_Cnt	1	BilinearXMYM_u16_u16XMu16YM_Cnt	1	✓

# TEST DETAILS REPORT

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EOTActuatorMng\_Per1



Project	EOTActuatorMng
Module	EOTActuatorMng
Test Object	EOTActuatorMng_Per1

## Instrumentation: Test Object Only

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

## Statistics

Total Testcases	3
Successful	3 ✓
Failed	0
Not Executed	0

## Module Properties

Project Root Directory	D:\Synergy_Work_Area\CBD_EOTActuatorMng\EOTActuatorMng
Configuration File	D:\Synergy_Work_Area\CBD_EOTActuatorMng\EOTActuatorMng\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)\NxtLib\src\interpolation.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -I\$(PROJECTROOT)\NxtLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\utp\contract\Ap_EOTActuatorMng -I\$(PROJECTROOT)\utp\contract -I\$(Compiler Install Path)\include
File	\$(PROJECTROOT)\src\Ap_EOTActuatorMng.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -I\$(PROJECTROOT)\NxtLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\utp\contract\Ap_EOTActuatorMng -I\$(PROJECTROOT)\utp\contract -I\$(Compiler Install Path)\include

## Comments/Description/Specification

Name	Text
Module 'EOTActuatorMng'	/*****Unit Test Description*****/ Name of Tester:Priti Manglekar Code File(s) Under Test:Ap_EOTActuatorMng.c Code File(s) Version:19 Module Design Document:End_of_Travel_Actuator_Management_MDD.docx Module Design Document Version:25 Data Dictionary Version:21 Unit Test Plan Version:11 Optimization Level:Level 2 Compiler (CodeGen) Version:TMS470_4.9.5 Model Type:Excel Macro Model Version:Nexteer EPS Unit Test Tool 2.7d/EPS Library 1.32 Total FLASH Used (Bytes):2914 Total RAM Used (Bytes):54 Total CALS Used (Bytes):170 Special Test Requirements: Test Date:6/29/2015 Comments:"NOTE 1: Inline functions defined in GlobalMacro.h are not untested. NOTE 2: ""CBD_Sandbox_dbg.map"" is embedded for reference." /*****

## Attributes

Name	Value
Compiler Install Path	\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5
Float Precision	9
InitObjDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj
InitSrcDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd
Makefile Template	\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570.tpl
Target Install Path	\$(ProgramFiles)\pls\UDE 3.2
Time Unit	Cycles



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Attributes	
Name	Value
Timer Enabled	false
Timer Prescale	0
Timer Resolution	1
UDE Config File	\$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg
Workspace File	D:\Synergy_Work_Area\CBD_EOTActuatorMng\EOTActuatorMng\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

# TEST DETAILS REPORT

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EOTActuatorMng\_Per1

## Test Case 1: Metrics Test

<b>Specification</b>	Performance Metrics (With "None" Instrumentation and WithPS Environment) CPU Cycles:  TS1.1 1163 cycles TS1.2 1896 cycles
<b>Description</b>	Vector Description  TS1.1"Shortest Execution Path: ((EOTDet_Cnt_T_Igc = True) Or (EOTDisable_Cnt_T_Igc = True)) ==> TRUE; (EOTActuatorMng_SESSState_Uls_M_enum = SES_DISABLED) ==> TRUE" TS1.2"Longest Execution Path: ((EOTDet_Cnt_T_Igc = True) Or (EOTDisable_Cnt_T_Igc = True)) ==> FALSE; (EOTActuatorMng_SESSState_Uls_M_enum = SES_DISABLED) ==> FALSE"

## Test Step 1.1 (Repeat Count = 1)

<b>Specification</b>	Performance Metrics (With "None" Instrumentation and WithPS Environment) CPU Cycles:
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Name	Input Value
EOTActuatorMng_Damping_MtrNm_M_f32	8.80000019
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	1440.10999
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	2147483648
EOTActuatorMng_FiltHwTrqSV_HwNm_M_s7p24	167772160
EOTActuatorMng_PrevEOTGain_Uls_M_f32	1
EOTActuatorMng_SESSState_Uls_M_enum	SES_DISABLED
Rte_Inst_Ap_EOTActuatorMng	target_Rte_Inst_Ap_EOTActuatorMng
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0
k_EOTDefftPosition_HwDeg_u12p4	13104
k_EOTDeltaTrqThresh_HwNm_u9p7	1280
k_EOTDynConf_Uls_u8p8	65535
k_EOTEnterLPFKn_Cnt_u16	30573
k_EOTExitLPFKn_Cnt_u16	30573
k_EOTImpSpdEn_Kph_u9p7	32640
k_EOTOriginalImpactandSoftEnd_Cnt_Igc	1
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32	1200
k_EOTStateHwTrqLPFKn_Cnt_u16	30573
k_MaxRackTrvl_HwDeg_u12p4	23040
k_MinRackTrvl_HwDeg_u12p4	23040
k_PosRampStep_HwDeg_u12p4	13104
k_SoftStopEOTEnable_Cnt_Igc	1
k_SpdIptScale_MtrNmpRadpS_u4p12	1024
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	14400
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	14400
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	14400
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	14400
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	14400
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	14400
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	14400
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	14400
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	14400
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	14400
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	14400
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	14400
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	14400
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	14400
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	14400
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	14400
t2_EOTEnterGainY_Uls_u1p15[0][0]	32768
t2_EOTEnterGainY_Uls_u1p15[0][1]	32768
t2_EOTEnterGainY_Uls_u1p15[0][2]	32768
t2_EOTEnterGainY_Uls_u1p15[0][3]	32768
t2_EOTEnterGainY_Uls_u1p15[1][0]	32768
t2_EOTEnterGainY_Uls_u1p15[1][1]	32768
t2_EOTEnterGainY_Uls_u1p15[1][2]	32768
t2_EOTEnterGainY_Uls_u1p15[1][3]	32768
t2_EOTEnterGainY_Uls_u1p15[2][0]	32768
t2_EOTEnterGainY_Uls_u1p15[2][1]	32768
t2_EOTEnterGainY_Uls_u1p15[2][2]	32768
t2_EOTEnterGainY_Uls_u1p15[2][3]	32768
t2_EOTEnterGainY_Uls_u1p15[3][0]	32768
t2_EOTEnterGainY_Uls_u1p15[3][1]	32768
t2_EOTEnterGainY_Uls_u1p15[3][2]	32768
t2_EOTEnterGainY_Uls_u1p15[3][3]	32768

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Name	Input Value		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	983		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	983		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	983		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	983		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	983		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	983		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	983		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	983		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	5760		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	5760		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	5760		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	5760		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	5760		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	5760		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	5760		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	5760		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]	983		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]	983		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]	983		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]	983		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]	983		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]	983		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]	983		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]	983		
t_EOTDmpVspd_Kph_u9p7[0]	32640		
t_EOTDmpVspd_Kph_u9p7[1]	32640		
t_EOTDmpVspd_Kph_u9p7[2]	32640		
t_EOTDmpVspd_Kph_u9p7[3]	32640		
t_EOTEnterGainVspd_Kph_u9p7[0]	32640		
t_EOTEnterGainVspd_Kph_u9p7[1]	32640		
t_EOTEnterGainVspd_Kph_u9p7[2]	32640		
t_EOTEnterGainVspd_Kph_u9p7[3]	32640		
t_SpdIptTblXTbl_HwDeg_u12p4[0]	2880		
t_SpdIptTblXTbl_HwDeg_u12p4[1]	2880		
t_SpdIptTblYTbl_MtrRadpS_u12p4[0]	65520		
t_SpdIptTblYTbl_MtrRadpS_u12p4[1]	65520		
t_TrqTableX_HwNm_u8p8[0]	2560		
t_TrqTableX_HwNm_u8p8[1]	2560		
t_TrqTblY_Uls_u2p14[0]	16384		
t_TrqTblY_Uls_u2p14[1]	16384		
target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value	-500.440002		
target_EOTActuatorMng_Per1_CcwFound_Cnt_Igc.value	1		
target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value	500.049988		
target_EOTActuatorMng_Per1_CwFound_Cnt_Igc.value	1		
target_EOTActuatorMng_Per1_EOTDisable_Cnt_Igc.value	1		
target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value	1		
target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value	-200.029999		
target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value	10		
target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value	0.200000003		
target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value	0		
target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value	8.02000046		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDamping	target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls	target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit_MtrNm	target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_Cnt_Igc	target_EOTActuatorMng_Per1_CcwFound_Cnt_Igc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_Igc	target_EOTActuatorMng_Per1_CwFound_Cnt_Igc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_Igc	target_EOTActuatorMng_Per1_EOTDisable_Cnt_Igc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Uls	target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_HwDeg	target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm_f32	target_EOTActuatorMng_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadpS	target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_OutputRampMultLtd_Uls	target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph	target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	6.4000001	6.4000001 ± 0.0000390625	✔
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	1440.10999	1440.10999 ± 0.0000390625	✔
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	2147483648	2147483648 ± 1	✔
EOTActuatorMng_FiltHWTqSV_HwNm_M_s7p24	11238400	11238400 ± 1	✔
EOTActuatorMng_OutputRampMultLtd_M_f32	0	0 ± 0.00390625	✔
EOTActuatorMng_PrevEOTGain_Uls_M_f32	1	1 ± 0.0625	✔
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED	SES_DISABLED	✔

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Name	Actual Value	Expected Value	Result
target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value	0	0 ± 0.00048828125	✓
target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value	1	1 ± 0.0000390625	✓
target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value	8.80000019	8.80000019 ± 0.00048828125	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	✓
EOTDetermination	1	EOTDetermination	1	✓
SES_DeLmtPos	1	SES_DeLmtPos	1	✓
SES_CalcExitGain	1	SES_CalcExitGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_CalcEnterGain	1	SES_CalcEnterGain	1	✓
SES_CalcEOTGain	1	SES_CalcEOTGain	1	✓
SES_FiltEOTGain	1	SES_FiltEOTGain	1	✓
SES_CalcEOTDamp	1	SES_CalcEOTDamp	1	✓
SES_StateCtrl	1	SES_StateCtrl	1	✓
Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	✓

Test Step 1.2 (Repeat Count = 1)	
Name	Input Value
EOTActuatorMng_Damping_MtrNm_M_f32	-6.80000019
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	789.5
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	1009317315
EOTActuatorMng_FiltHwTrqSV_HwNm_M_s7p24	23991419
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.649999976
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL
Rte_Inst_Ap_EOTActuatorMng	target_Rte_Inst_Ap_EOTActuatorMng
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0
k_EOTDefftPosition_HwDeg_u12p4	3200
k_EOTDeltaTrqThresh_HwNm_u9p7	1152
k_EOTDynConf_Uls_u8p8	0
k_EOTEnterLPFKn_Cnt_u16	6544
k_EOTExitLPFKn_Cnt_u16	111
k_EOTImpSpdEn_Kph_u9p7	5376
k_EOTOriginalImpactandSoftEnd_Cnt_lgc	1
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32	20.2399998
k_EOTStateHwTrqLPFKn_Cnt_u16	3754
k_MaxRackTrvl_HwDeg_u12p4	1776
k_MinRackTrvl_HwDeg_u12p4	12800
k_PosRampStep_HwDeg_u12p4	10848
k_SoftStopEOTEnable_Cnt_lgc	1
k_SpdIptScale_MtrNmpRadpS_u4p12	80
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	0
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	480
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	960
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	1440
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	0
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	480
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	960
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	1440
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	0
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	480
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	960
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	1440
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	0
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	480
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	960
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	1440
t2_EOTEnterGainY_Uls_u1p15[0][0]	0
t2_EOTEnterGainY_Uls_u1p15[0][1]	10813
t2_EOTEnterGainY_Uls_u1p15[0][2]	21627
t2_EOTEnterGainY_Uls_u1p15[0][3]	32768
t2_EOTEnterGainY_Uls_u1p15[1][0]	0
t2_EOTEnterGainY_Uls_u1p15[1][1]	10813
t2_EOTEnterGainY_Uls_u1p15[1][2]	21627
t2_EOTEnterGainY_Uls_u1p15[1][3]	32768
t2_EOTEnterGainY_Uls_u1p15[2][0]	0
t2_EOTEnterGainY_Uls_u1p15[2][1]	10813
t2_EOTEnterGainY_Uls_u1p15[2][2]	21627
t2_EOTEnterGainY_Uls_u1p15[2][3]	32768

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Name	Input Value		
t2_EOTEnterGainY_Uls_u1p15[3][0]	0		
t2_EOTEnterGainY_Uls_u1p15[3][1]	10813		
t2_EOTEnterGainY_Uls_u1p15[3][2]	21627		
t2_EOTEnterGainY_Uls_u1p15[3][3]	32768		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	0		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	256		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	154		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	512		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	94		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	305		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	160		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	224		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	0		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	320		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	0		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	320		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	0		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	320		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	0		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	320		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]	0		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]	128		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]	146		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]	416		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]	305		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]	640		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]	93		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]	448		
t_EOTDmpVspd_Kph_u9p7[0]	0		
t_EOTDmpVspd_Kph_u9p7[1]	640		
t_EOTDmpVspd_Kph_u9p7[2]	1280		
t_EOTDmpVspd_Kph_u9p7[3]	2560		
t_EOTEnterGainVspd_Kph_u9p7[0]	0		
t_EOTEnterGainVspd_Kph_u9p7[1]	640		
t_EOTEnterGainVspd_Kph_u9p7[2]	1280		
t_EOTEnterGainVspd_Kph_u9p7[3]	2816		
t_SpdIptTblXTbl_HwDeg_u12p4[0]	400		
t_SpdIptTblXTbl_HwDeg_u12p4[1]	800		
t_SpdIptTblYTbl_MtrRadpS_u12p4[0]	288		
t_SpdIptTblYTbl_MtrRadpS_u12p4[1]	960		
t_TrqTableX_HwNm_u8p8[0]	2304		
t_TrqTableX_HwNm_u8p8[1]	2560		
t_TrqTblY_Uls_u2p14[0]	16		
t_TrqTblY_Uls_u2p14[1]	164		
target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value	-888.200012		
target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value	1		
target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value	950.299988		
target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value	1		
target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value	0		
target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value	1		
target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value	-800.900024		
target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value	-10		
target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value	0.100000001		
target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value	1		
target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value	10.5		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32	target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls_f32	target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32	target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_lgc	target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Uls_f32	target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32	target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm_f32	target_EOTActuatorMng_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32	target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32	target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph_f32	target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	-6.75952005	-6.75952005 ± 0.0000390625	✓
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	800.900024	800.900024 ± 0.0000390625	✓
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	908539715	908539715 ± 1	✓

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Name	Actual Value	Expected Value	Result
EOTActuatorMng_FiltHWTqSV_HwNm_M_s7p24	32227695	32227695 ± 1	✓
EOTActuatorMng_OutputRampMultLtd_M_f32	1	1 ± 0.00390625	✓
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.423065186	0.423065186 ± 0.0625	✓
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL	SES_NORMAL	✓
target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value	-6.75952005	-6.75952005 ± 0.00048828125	✓
target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value	0.423065186	0.423065186 ± 0.0000390625	✓
target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value	0.349609375	0.349609375 ± 0.00048828125	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	✓
EOTDetermination	1	EOTDetermination	1	✓
EOTOrigImpact	1	EOTOrigImpact	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_DetLmtPos	1	SES_DetLmtPos	1	✓
SES_CalcExitGain	1	SES_CalcExitGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_CalcEnterGain	1	SES_CalcEnterGain	1	✓
BilinearXMYM_u16_u16XM_u16YM_Cnt	1	BilinearXMYM_u16_u16XM_u16YM_Cnt	1	✓
SES_CalcEOTGain	1	SES_CalcEOTGain	1	✓
SES_FiltEOTGain	1	SES_FiltEOTGain	1	✓
SES_CalcEOTDamp	1	SES_CalcEOTDamp	1	✓
BilinearXMYM_u16_u16XM_u16YM_Cnt	1	BilinearXMYM_u16_u16XM_u16YM_Cnt	1	✓
SES_StateCtrl	1	SES_StateCtrl	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	2	IntplVarXY_u16_u16Xu16Y_Cnt	2	✓
Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	✓

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## Test Case 2: Boundary Test



TEST DETAILS REPORT

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EOTActuatorMng\_Per1

Specification	Performance Metrics (With "None" Instrumentation and WithPS Environment) CPU Cycles:
	TS2.1 1895 cycles
	TS2.2 1879 cycles
	TS2.3 1893 cycles
	TS2.4 1943 cycles
	TS2.5 1941 cycles
	TS2.6 1909 cycles
	TS2.7 1895 cycles
	TS2.8 1892 cycles
	TS2.9 1905 cycles
	TS2.10 1884 cycles
	TS2.11 1905 cycles
	TS2.12 1895 cycles
	TS2.13 1905 cycles
	TS2.14 1957 cycles
	TS2.15 1955 cycles
	TS2.16 1908 cycles
	TS2.17 1892 cycles
	TS2.18 1895 cycles
	TS2.19 1892 cycles
	TS2.20 1908 cycles
	TS2.21 1892 cycles
	TS2.22 1895 cycles
	TS2.23 1905 cycles
	TS2.24 1895 cycles
	TS2.25 1892 cycles
	TS2.26 1895 cycles
	TS2.27 1905 cycles
	TS2.28 1895 cycles
	TS2.29 1892 cycles
	TS2.30 1895 cycles
	TS2.31 1905 cycles
	TS2.32 1895 cycles
	TS2.33 1892 cycles
	TS2.34 1895 cycles
	TS2.35 1908 cycles
	TS2.36 1892 cycles
	TS2.37 1892 cycles
	TS2.38 1905 cycles
	TS2.39 1895 cycles
	TS2.40 1171 cycles
	TS2.41 1892 cycles
	TS2.42 1895 cycles
	TS2.43 1892 cycles
	TS2.44 1892 cycles
	TS2.45 1908 cycles
	TS2.46 1892 cycles
	TS2.47 1892 cycles
	TS2.48 1905 cycles
	TS2.49 1880 cycles
	TS2.50 1892 cycles
	TS2.51 1895 cycles
	TS2.52 1893 cycles
	TS2.53 1885 cycles
	TS2.54 1880 cycles
	TS2.55 1942 cycles
	TS2.56 1955 cycles
	TS2.57 1883 cycles
	TS2.58 1896 cycles
	TS2.59 1892 cycles
	TS2.60 1892 cycles
	TS2.61 1895 cycles
	TS2.62 1895 cycles
	TS2.63 1880 cycles
	TS2.64 1957 cycles
	TS2.65 1955 cycles
	TS2.66 1157 cycles
	TS2.67 1866 cycles



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Description	Vector Description
	TS2.1HwTorque_HwNm_f32 = min
	TS2.2HwTorque_HwNm_f32 = max
	TS2.3HwTorque_HwNm_f32 = zero
	TS2.4HwTorque_HwNm_f32 = neg
	TS2.5HwTorque_HwNm_f32 = pos
	TS2.6CwEOT_HwDeg_f32 = min
	TS2.7CwEOT_HwDeg_f32 = max
	TS2.8CwEOT_HwDeg_f32 = pos
	TS2.9CwEOT_HwDeg_f32 = min
	TS2.10CwEOT_HwDeg_f32 = max
	TS2.11CwEOT_HwDeg_f32 = neg
	TS2.12CwFound_Cnt_lgc = min
	TS2.13CwFound_Cnt_lgc = max
	TS2.14CwFound_Cnt_lgc = min
	TS2.15CwFound_Cnt_lgc = max
	TS2.16HandWheelPos_HwDeg_f32 = min
	TS2.17HandWheelPos_HwDeg_f32 = max
	TS2.18HandWheelPos_HwDeg_f32 = zero
	TS2.19HandWheelPos_HwDeg_f32 = neg
	TS2.20HandWheelPos_HwDeg_f32 = pos
	TS2.21HandWheelAuth_Uls_f32 = min
	TS2.22HandWheelAuth_Uls_f32 = max
	TS2.23HandWheelAuth_Uls_f32 = pos
	TS2.24MotorVel_MtrRadpS_f32 = min
	TS2.25MotorVel_MtrRadpS_f32 = max
	TS2.26MotorVel_MtrRadpS_f32 = zero
	TS2.27MotorVel_MtrRadpS_f32 = neg
	TS2.28MotorVel_MtrRadpS_f32 = pos
	TS2.29VehicleSpeed_Kph_f32 = min
	TS2.30VehicleSpeed_Kph_f32 = max
	TS2.31VehicleSpeed_Kph_f32 = pos
	TS2.32EOTImpactPos_HwDeg_M_f32 = min
	TS2.33EOTImpactPos_HwDeg_M_f32 = max
	TS2.34EOTImpactPos_HwDeg_M_f32 = pos
	TS2.35FiltHWTrqSV_HwNm_M_s7p24 = min
	TS2.36FiltHWTrqSV_HwNm_M_s7p24 = max
	TS2.37FiltHWTrqSV_HwNm_M_s7p24 = zero
	TS2.38FiltHWTrqSV_HwNm_M_s7p24 = pos
	TS2.39FiltHWTrqSV_HwNm_M_s7p24 = neg
	TS2.40SESState_Uls_M_enum = min
	TS2.41SESState_Uls_M_enum = 1
	TS2.42SESState_Uls_M_enum = 2
	TS2.43SESState_Uls_M_enum = max
	TS2.44FiltEOTGainSV_HwNm_M_u1p31 = min
	TS2.45FiltEOTGainSV_HwNm_M_u1p31 = max
	TS2.46FiltEOTGainSV_HwNm_M_u1p31 = pos
	TS2.47PrevEOTGain_Uls_M_f32 = min
	TS2.48PrevEOTGain_Uls_M_f32 = max
	TS2.49PrevEOTGain_Uls_M_f32 = mid
	TS2.50EOTDisable_Cnt_lgc min
	TS2.51EOTDisable_Cnt_lgc max
	TS2.52EOTActuatorMng_Damping_MtrNm_M_f32 = min
	TS2.53EOTActuatorMng_Damping_MtrNm_M_f32 = max
	TS2.54EOTActuatorMng_Damping_MtrNm_M_f32 = zero
	TS2.55EOTActuatorMng_Damping_MtrNm_M_f32 = neg
	TS2.56EOTActuatorMng_Damping_MtrNm_M_f32 = pos
	TS2.57k_EOTOriginalImpactandSoftEnd_Cnt_lgc = min/default
	TS2.58k_EOTOriginalImpactandSoftEnd_Cnt_lgc = max
	TS2.59k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32 = min
	TS2.60k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32 = max
	TS2.61k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32 = pos/default
	TS2.62k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32 = mid
	TS2.63EOTActuatorMng_OutputRampMultLtd_M_f32 = min
	TS2.64EOTActuatorMng_OutputRampMultLtd_M_f32 = max
	TS2.65EOTActuatorMng_OutputRampMultLtd_M_f32 = mid
	TS2.66All min
	TS2.67All max

Test Step 2.1 (Repeat Count = 1)	
Name	Input Value
EOTActuatorMng_Damping_MtrNm_M_f32	-8.80000019
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	789.052002
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	1009317315
EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24	23991419
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.649999976
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL
Rte_Inst_Ap_EOTActuatorMng	target_Rte_Inst_Ap_EOTActuatorMng
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.99000001
k_EOTDefltPosition_HwDeg_u12p4	3200
k_EOTDeltaTrqThrsh_HwNm_u9p7	1152
k_EOTDynConf_Uls_u8p8	0
k_EOTEnterLPFKn_Cnt_u16	6544
k_EOTExitLPFKn_Cnt_u16	111
k_EOTImpSpdEn_Kph_u9p7	5376
k_EOTOriginalImpactandSoftEnd_Cnt_lgc	0
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32	0
k_EOTStateHwTrqLPFKn_Cnt_u16	3754

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Name	Input Value
k_MaxRackTrvl_HwDeg_u12p4	1776
k_MinRackTrvl_HwDeg_u12p4	14400
k_PosRampStep_HwDeg_u12p4	10848
k_SoftStopEOTEnable_Cnt_lgc	1
k_SpdIptScale_MtrNmpRadps_u4p12	80
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	0
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	80
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	176
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	320
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	480
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	1424
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	1440
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	1456
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1120
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	3344
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	3360
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	3376
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	1760
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	5264
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	5280
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	5296
t2_EOTEnterGainY_Uls_u1p15[0][0]	0
t2_EOTEnterGainY_Uls_u1p15[0][1]	3
t2_EOTEnterGainY_Uls_u1p15[0][2]	4
t2_EOTEnterGainY_Uls_u1p15[0][3]	5
t2_EOTEnterGainY_Uls_u1p15[1][0]	5
t2_EOTEnterGainY_Uls_u1p15[1][1]	6
t2_EOTEnterGainY_Uls_u1p15[1][2]	29
t2_EOTEnterGainY_Uls_u1p15[1][3]	288
t2_EOTEnterGainY_Uls_u1p15[2][0]	5
t2_EOTEnterGainY_Uls_u1p15[2][1]	5
t2_EOTEnterGainY_Uls_u1p15[2][2]	20
t2_EOTEnterGainY_Uls_u1p15[2][3]	193
t2_EOTEnterGainY_Uls_u1p15[3][0]	7
t2_EOTEnterGainY_Uls_u1p15[3][1]	7
t2_EOTEnterGainY_Uls_u1p15[3][2]	78
t2_EOTEnterGainY_Uls_u1p15[3][3]	763
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	76
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	108
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	77
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	108
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	77
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	108
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	32
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	44
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	448
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	1120
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	640
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1024
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	640
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	4016
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	400
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	544
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	1
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	44
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	37
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	194
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	62
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	87
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	10
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	452
t_EOTDmpVspd_Kph_u9p7[0]	3840
t_EOTDmpVspd_Kph_u9p7[1]	11392
t_EOTDmpVspd_Kph_u9p7[2]	11520
t_EOTDmpVspd_Kph_u9p7[3]	11648
t_EOTEnterGainVspd_Kph_u9p7[0]	3840
t_EOTEnterGainVspd_Kph_u9p7[1]	11392
t_EOTEnterGainVspd_Kph_u9p7[2]	11520
t_EOTEnterGainVspd_Kph_u9p7[3]	11648
t_SpdIptTblXTbl_HwDeg_u12p4[0]	64
t_SpdIptTblXTbl_HwDeg_u12p4[1]	224
t_SpdIptTblYTbl_MtrRadps_u12p4[0]	400
t_SpdIptTblYTbl_MtrRadps_u12p4[1]	544

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Name	Input Value
t_TrqTableX_HwNm_u8p8[0]	512
t_TrqTableX_HwNm_u8p8[1]	2304
t_TrqTblY_Uls_u2p14[0]	16
t_TrqTblY_Uls_u2p14[1]	164
target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value	-888.109985
target_EOTActuatorMng_Per1_CcwFound_Cnt_Igc.value	1
target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value	950.544006
target_EOTActuatorMng_Per1_CwFound_Cnt_Igc.value	1
target_EOTActuatorMng_Per1_EOTDisable_Cnt_Igc.value	0
target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value	0.779999971
target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value	800.01001
target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value	-10
target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value	0.100000001
target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value	0.996999979
target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value	10.0100002
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDamping	target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls	target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit_MtrNm	target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_Cnt_Igc	target_EOTActuatorMng_Per1_CcwFound_Cnt_Igc
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_Igc	target_EOTActuatorMng_Per1_CwFound_Cnt_Igc
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_Igc	target_EOTActuatorMng_Per1_EOTDisable_Cnt_Igc
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Uls	target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32	target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm_f32	target_EOTActuatorMng_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32	target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32	target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph_f32	target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32

Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	-8.80000019	-8.80000019 ± 0.0000390625	✓
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	789.052002	789.052002 ± 0.0000390625	✓
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	908572435	908572435 ± 1	✓
EOTActuatorMng_FiltHwTrqSV_HwNm_M_s7p24	13007215	13007215 ± 1	✓
EOTActuatorMng_OutputRampMultLtd_M_f32	0.996999979	0.996999979 ± 0.00390625	✓
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.423065186	0.423065186 ± 0.0625	✓
EOTActuatorMng_SESSState_Uls_M_enum	SES_NORMAL	SES_NORMAL	✓
target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value	-8.80000019	-8.80000019 ± 0.00048828125	✓
target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value	0.423065186	0.423065186 ± 0.0000390625	✓
target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value	8.80000019	8.80000019 ± 0.00048828125	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	✓
EOTDetermination	1	EOTDetermination	1	✓
SES_DetLmtPos	1	SES_DetLmtPos	1	✓
SES_CalcExitGain	1	SES_CalcExitGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_CalcEnterGain	1	SES_CalcEnterGain	1	✓
BilinearXMYM_u16_u16XM_u16YM_Cnt	1	BilinearXMYM_u16_u16XM_u16YM_Cnt	1	✓
SES_CalcEOTGain	1	SES_CalcEOTGain	1	✓
SES_FiltEOTGain	1	SES_FiltEOTGain	1	✓
SES_CalcEOTDamp	1	SES_CalcEOTDamp	1	✓
BilinearXMYM_u16_u16XM_u16YM_Cnt	1	BilinearXMYM_u16_u16XM_u16YM_Cnt	1	✓
SES_StateCtrl	1	SES_StateCtrl	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	2	IntplVarXY_u16_u16Xu16Y_Cnt	2	✓
Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	✓

Test Step 2.2 (Repeat Count = 1)	
Name	Input Value
EOTActuatorMng_Damping_MtrNm_M_f32	-6.80000019
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	300.040009
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	794568950
EOTActuatorMng_FiltHwTrqSV_HwNm_M_s7p24	-148981678
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.540000021
EOTActuatorMng_SESSState_Uls_M_enum	SES_NORMAL
Rte_Inst_Ap_EOTActuatorMng	target_Rte_Inst_Ap_EOTActuatorMng
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.677999973
k_EOTDefltposition_HwDeg_u12p4	4800
k_EOTDeltaTrqThrsh_HwNm_u9p7	1024

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Name	Input Value
k_EOTDynConf_Uls_u8p8	5120
k_EOTEnterLPFKn_Cnt_u16	3643
k_EOTExitLPFKn_Cnt_u16	222
k_EOTImpSpdEn_Kph_u9p7	5504
k_EOTOriginalImpactandSoftEnd_Cnt_lgc	1
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32	12.2399998
k_EOTStateHwTrqLPFKn_Cnt_u16	2436
k_MaxRackTrvl_HwDeg_u12p4	3552
k_MinRackTrvl_HwDeg_u12p4	15456
k_PosRampStep_HwDeg_u12p4	2016
k_SoftStopEOTEnable_Cnt_lgc	1
k_SpdIptScale_MtrNmpRadpS_u4p12	80
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	160
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	320
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	480
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	640
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	496
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	1472
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	1488
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	1504
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1136
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	3392
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	3408
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	3424
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	1776
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	5312
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	5328
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	5344
t2_EOTEnterGainY_Uls_u1p15[0][0]	4
t2_EOTEnterGainY_Uls_u1p15[0][1]	5
t2_EOTEnterGainY_Uls_u1p15[0][2]	10
t2_EOTEnterGainY_Uls_u1p15[0][3]	98
t2_EOTEnterGainY_Uls_u1p15[1][0]	5
t2_EOTEnterGainY_Uls_u1p15[1][1]	6
t2_EOTEnterGainY_Uls_u1p15[1][2]	39
t2_EOTEnterGainY_Uls_u1p15[1][3]	383
t2_EOTEnterGainY_Uls_u1p15[2][0]	5
t2_EOTEnterGainY_Uls_u1p15[2][1]	6
t2_EOTEnterGainY_Uls_u1p15[2][2]	29
t2_EOTEnterGainY_Uls_u1p15[2][3]	288
t2_EOTEnterGainY_Uls_u1p15[3][0]	7
t2_EOTEnterGainY_Uls_u1p15[3][1]	8
t2_EOTEnterGainY_Uls_u1p15[3][2]	88
t2_EOTEnterGainY_Uls_u1p15[3][3]	859
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	16
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	22
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	92
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	130
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	92
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	130
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	16
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	22
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	480
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	1136
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	656
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1040
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	672
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	4032
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	416
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	560
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]	2
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]	16
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]	153
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]	216
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]	77
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]	108
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]	52
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]	68
t_EOTDmpVspd_Kph_u9p7[0]	3968
t_EOTDmpVspd_Kph_u9p7[1]	11776
t_EOTDmpVspd_Kph_u9p7[2]	11904
t_EOTDmpVspd_Kph_u9p7[3]	12032
t_EOTEnterGainVspd_Kph_u9p7[0]	3968

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Name	Input Value		
t_EOTEnterGainVspd_Kph_u9p7[1]	11776		
t_EOTEnterGainVspd_Kph_u9p7[2]	11904		
t_EOTEnterGainVspd_Kph_u9p7[3]	12032		
t_SpdIptTbIXTbI_HwDeg_u12p4[0]	48		
t_SpdIptTbIXTbI_HwDeg_u12p4[1]	240		
t_SpdIptTbIYTbI_MtrRadpS_u12p4[0]	416		
t_SpdIptTbIYTbI_MtrRadpS_u12p4[1]	560		
t_TrqTableX_HwNm_u8p8[0]	512		
t_TrqTableX_HwNm_u8p8[1]	2048		
t_TrqTbIY_Uls_u2p14[0]	33		
t_TrqTbIY_Uls_u2p14[1]	328		
target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value	-500.440002		
target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value	0		
target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value	500.049988		
target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value	0		
target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value	1		
target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value	0.319999993		
target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value	-200.029999		
target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value	10		
target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value	0.200000003		
target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value	0.328000009		
target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value	8.02000046		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32	target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls_f32	target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32	target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_lgc	target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Uls_f32	target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32	target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm_f32	target_EOTActuatorMng_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32	target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32	target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph_f32	target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	-6.77552032	-6.77551985 ± 0.0000390625	✔
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	300.040009	300.040009 ± 0.0000390625	✔
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	750758232	750758232 ± 1	✔
EOTActuatorMng_FiltHWTTrqSV_HwNm_M_s7p24	-149678374	-149678374 ± 1	✔
EOTActuatorMng_OutputRampMultLtd_M_f32	0.328000009	0.328000009 ± 0.00390625	✔
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.349578857	0.349578857 ± 0.0625	✔
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED	SES_DISABLED	✔
target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value	-6.77552032	-6.77551985 ± 0.00048828125	✔
target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value	0.349578857	0.349578857 ± 0.0000390625	✔
target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value	8.80000019	8.80000019 ± 0.00048828125	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	✓
EOTDetermination	1	EOTDetermination	1	✓
SES_DetLmtPos	1	SES_DetLmtPos	1	✓
SES_CalcExitGain	1	SES_CalcExitGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_CalcEnterGain	1	SES_CalcEnterGain	1	✓
BilinearXMYM_u16_u16XM_u16YM_Cnt	1	BilinearXMYM_u16_u16XM_u16YM_Cnt	1	✓
SES_CalcEOTGain	1	SES_CalcEOTGain	1	✓
SES_FiltEOTGain	1	SES_FiltEOTGain	1	✓
SES_CalcEOTDamp	1	SES_CalcEOTDamp	1	✓
BilinearXMYM_u16_u16XM_u16YM_Cnt	1	BilinearXMYM_u16_u16XM_u16YM_Cnt	1	✓
SES_StateCtrl	1	SES_StateCtrl	1	✓
Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	✓

Test Step 2.3 (Repeat Count = 1)	
Name	Input Value
EOTActuatorMng_Damping_MtrNm_M_f32	-4.80000019
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	567.25
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	579820585
EOTActuatorMng_FiltHWTTrqSV_HwNm_M_s7p24	130358968

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Name	Input Value
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.430000007
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL
Rte_Inst_Ap_EOTActuatorMng	target_Rte_Inst_Ap_EOTActuatorMng
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.633000016
k_EOTDefltPosition_HwDeg_u12p4	6400
k_EOTDeltaTrqThrsh_HwNm_u9p7	896
k_EOTDynConf_Uls_u8p8	0
k_EOTEnterLPFKn_Cnt_u16	854
k_EOTExitLPFKn_Cnt_u16	333
k_EOTImpSpdEn_Kph_u9p7	5632
k_EOTOriginalImpactandSoftEnd_Cnt_lgc	0
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32	16.2900009
k_EOTStateHwTrqLPFKn_Cnt_u16	9999
k_MaxRackTrvl_HwDeg_u12p4	5328
k_MinRackTrvl_HwDeg_u12p4	20400
k_PosRampStep_HwDeg_u12p4	5696
k_SoftStopEOTEnable_Cnt_lgc	1
k_SpdIptScale_MtrNmpRadps_u4p12	81
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	800
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	960
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	1120
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	1280
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	512
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	1520
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	1536
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	1552
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1152
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	3440
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	3456
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	3472
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	1792
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	5360
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	5376
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	5392
t2_EOTEnterGainY_Uls_u1p15[0][0]	5
t2_EOTEnterGainY_Uls_u1p15[0][1]	5
t2_EOTEnterGainY_Uls_u1p15[0][2]	20
t2_EOTEnterGainY_Uls_u1p15[0][3]	193
t2_EOTEnterGainY_Uls_u1p15[1][0]	6
t2_EOTEnterGainY_Uls_u1p15[1][1]	6
t2_EOTEnterGainY_Uls_u1p15[1][2]	49
t2_EOTEnterGainY_Uls_u1p15[1][3]	478
t2_EOTEnterGainY_Uls_u1p15[2][0]	5
t2_EOTEnterGainY_Uls_u1p15[2][1]	6
t2_EOTEnterGainY_Uls_u1p15[2][2]	39
t2_EOTEnterGainY_Uls_u1p15[2][3]	383
t2_EOTEnterGainY_Uls_u1p15[3][0]	7
t2_EOTEnterGainY_Uls_u1p15[3][1]	8
t2_EOTEnterGainY_Uls_u1p15[3][2]	98
t2_EOTEnterGainY_Uls_u1p15[3][3]	954
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	44
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	32
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	16
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	22
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	4
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	26
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	62
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	87
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	512
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	1152
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	672
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1056
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	704
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	4048
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	432
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	576
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	4
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	32
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	12
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	88
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	92
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	130
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	99

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Name	Input Value		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]	698		
t_EOTDmpVspd_Kph_u9p7[0]	4096		
t_EOTDmpVspd_Kph_u9p7[1]	12160		
t_EOTDmpVspd_Kph_u9p7[2]	12288		
t_EOTDmpVspd_Kph_u9p7[3]	12416		
t_EOTEnterGainVspd_Kph_u9p7[0]	4096		
t_EOTEnterGainVspd_Kph_u9p7[1]	12160		
t_EOTEnterGainVspd_Kph_u9p7[2]	12288		
t_EOTEnterGainVspd_Kph_u9p7[3]	12416		
t_SpdIptTblXTbl_HwDeg_u12p4[0]	32		
t_SpdIptTblXTbl_HwDeg_u12p4[1]	256		
t_SpdIptTblYTbl_MtrRadpS_u12p4[0]	432		
t_SpdIptTblYTbl_MtrRadpS_u12p4[1]	576		
t_TrqTableX_HwNm_u8p8[0]	512		
t_TrqTableX_HwNm_u8p8[1]	1792		
t_TrqTblY_Uls_u2p14[0]	49		
t_TrqTblY_Uls_u2p14[1]	492		
target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value	-775.780029		
target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value	1		
target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value	850.21698		
target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value	1		
target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value	0		
target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value	0.819999993		
target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value	700.049988		
target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value	0		
target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value	0.300000012		
target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value	0.449000001		
target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value	11.0299997		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32	target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls_f32	target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32	target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_lgc	target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Uls_f32	target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32	target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm_f32	target_EOTActuatorMng_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32	target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32	target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph_f32	target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	-4.76742029	-4.76741982 ± 0.0000390625	✔
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	567.25	567.25 ± 0.0000390625	✔
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	572430069	572430069 ± 1	✔
EOTActuatorMng_FiltHwTrqSV_HwNm_M_s7p24	110470957	110470957 ± 1	✔
EOTActuatorMng_OutputRampMultLtd_M_f32	0.449000001	0.449000001 ± 0.00390625	✔
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.266540527	0.266540527 ± 0.0625	✔
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL	SES_NORMAL	✔
target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value	-4.76742029	-4.76741982 ± 0.00048828125	✔
target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value	0.266540527	0.266540527 ± 0.0000390625	✔
target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value	8.80000019	8.80000019 ± 0.00048828125	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	✓
EOTDetermination	1	EOTDetermination	1	✓
SES_DetLmtPos	1	SES_DetLmtPos	1	✓
SES_CalcExitGain	1	SES_CalcExitGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_CalcEnterGain	1	SES_CalcEnterGain	1	✓
BilinearXMYM_u16_u16XM_u16YM_Cnt	1	BilinearXMYM_u16_u16XM_u16YM_Cnt	1	✓
SES_CalcEOTGain	1	SES_CalcEOTGain	1	✓
SES_FiltEOTGain	1	SES_FiltEOTGain	1	✓
SES_CalcEOTDamp	1	SES_CalcEOTDamp	1	✓
BilinearXMYM_u16_u16XM_u16YM_Cnt	1	BilinearXMYM_u16_u16XM_u16YM_Cnt	1	✓
SES_StateCtrl	1	SES_StateCtrl	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	2	IntplVarXY_u16_u16Xu16Y_Cnt	2	✓
Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	✓



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EOTActuatorMng\_Per1

Test Step 2.4 (Repeat Count = 1)	
Name	Input Value
EOTActuatorMng_Damping_MtrNm_M_f32	-2.79999995
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	456.540009
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	365072220
EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24	-111736259
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.319999993
EOTActuatorMng_SESState_Uls_M_enum	SES_ENTERING
Rte_Inst_Ap_EOTActuatorMng	target_Rte_Inst_Ap_EOTActuatorMng
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.284000009
k_EOTDefltPosition_HwDeg_u12p4	8000
k_EOTDeltaTrqThrsh_HwNm_u9p7	768
k_EOTDynConf_Uls_u8p8	10240
k_EOTEnterLPFKn_Cnt_u16	799
k_EOTExitLPFKn_Cnt_u16	444
k_EOTImpSpdEn_Kph_u9p7	5760
k_EOTOriginalImpactandSoftEnd_Cnt_lgc	1
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32	20.3400002
k_EOTStateHwTrqLPFKn_Cnt_u16	8888
k_MaxRackTrvl_HwDeg_u12p4	7104
k_MinRackTrvl_HwDeg_u12p4	15616
k_PosRampStep_HwDeg_u12p4	10816
k_SoftStopEOTEnable_Cnt_lgc	1
k_SpdIptScale_MtrNmpRadps_u4p12	81
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	1440
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	1600
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	1760
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	1920
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	528
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	1568
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	1584
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	1600
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1168
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	3488
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	3504
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	3520
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	1808
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	5408
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	5424
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	5440
t2_EOTEnterGainY_Uls_u1p15[0][0]	5
t2_EOTEnterGainY_Uls_u1p15[0][1]	6
t2_EOTEnterGainY_Uls_u1p15[0][2]	29
t2_EOTEnterGainY_Uls_u1p15[0][3]	288
t2_EOTEnterGainY_Uls_u1p15[1][0]	6
t2_EOTEnterGainY_Uls_u1p15[1][1]	7
t2_EOTEnterGainY_Uls_u1p15[1][2]	59
t2_EOTEnterGainY_Uls_u1p15[1][3]	573
t2_EOTEnterGainY_Uls_u1p15[2][0]	6
t2_EOTEnterGainY_Uls_u1p15[2][1]	6
t2_EOTEnterGainY_Uls_u1p15[2][2]	49
t2_EOTEnterGainY_Uls_u1p15[2][3]	478
t2_EOTEnterGainY_Uls_u1p15[3][0]	8
t2_EOTEnterGainY_Uls_u1p15[3][1]	8
t2_EOTEnterGainY_Uls_u1p15[3][2]	108
t2_EOTEnterGainY_Uls_u1p15[3][3]	1049
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	76
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	108
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	122
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	173
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	122
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	173
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	77
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	108
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	544
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	1168
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	688
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1072
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	784
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	4064
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	448
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	592
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	1



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Name	Input Value		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]	11		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]	183		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]	259		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]	102		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]	452		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]	4		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]	713		
t_EOTDmpVspd_Kph_u9p7[0]	4224		
t_EOTDmpVspd_Kph_u9p7[1]	12544		
t_EOTDmpVspd_Kph_u9p7[2]	12672		
t_EOTDmpVspd_Kph_u9p7[3]	12800		
t_EOTEnterGainVspd_Kph_u9p7[0]	4224		
t_EOTEnterGainVspd_Kph_u9p7[1]	12544		
t_EOTEnterGainVspd_Kph_u9p7[2]	12672		
t_EOTEnterGainVspd_Kph_u9p7[3]	12800		
t_SpdIptTblXTbl_HwDeg_u12p4[0]	16		
t_SpdIptTblXTbl_HwDeg_u12p4[1]	272		
t_SpdIptTblYTbl_MtrRadpS_u12p4[0]	448		
t_SpdIptTblYTbl_MtrRadpS_u12p4[1]	592		
t_TrqTableX_HwNm_u8p8[0]	512		
t_TrqTableX_HwNm_u8p8[1]	1536		
t_TrqTblY_Uls_u2p14[0]	66		
t_TrqTblY_Uls_u2p14[1]	655		
target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value	-666.450012		
target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value	0		
target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value	777.539978		
target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value	0		
target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value	1		
target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value	0.449999988		
target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value	-600.039978		
target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value	-5.0999999		
target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value	-0.400000006		
target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value	0.136000007		
target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value	15.04		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32	target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls_f32	target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32	target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_lgc	target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Uls_f32	target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32	target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm_f32	target_EOTActuatorMng_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32	target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32	target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph_f32	target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	-2.75932002	-2.75932002 ± 0.0000390625	✔
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	456.540009	456.540009 ± 0.0000390625	✔
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	360851902	360851902 ± 1	✔
EOTActuatorMng_FiltHWTqSV_HwNm_M_s7p24	-84983379	-84983379 ± 1	✔
EOTActuatorMng_OutputRampMultLtd_M_f32	0.136000007	0.136000007 ± 0.00390625	✔
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.168029785	0.168029785 ± 0.0625	✔
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED	SES_DISABLED	✔
target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value	-2.75932002	-2.75932002 ± 0.00048828125	✔
target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value	0.168029785	0.168029785 ± 0.0000390625	✔
target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value	8.80000019	8.80000019 ± 0.00048828125	✔

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Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	✓
EOTDetermination	1	EOTDetermination	1	✓
SES_DetLmtPos	1	SES_DetLmtPos	1	✓
SES_CalcExitGain	1	SES_CalcExitGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_CalcEnterGain	1	SES_CalcEnterGain	1	✓
BilinearXMYM_u16_u16XM_u16YM_Cnt	1	BilinearXMYM_u16_u16XM_u16YM_Cnt	1	✓
SES_CalcEOTGain	1	SES_CalcEOTGain	1	✓
SES_FiltEOTGain	1	SES_FiltEOTGain	1	✓
SES_CalcEOTDamp	1	SES_CalcEOTDamp	1	✓
BilinearXMYM_u16_u16XM_u16YM_Cnt	1	BilinearXMYM_u16_u16XM_u16YM_Cnt	1	✓
SES_StateCtrl	1	SES_StateCtrl	1	✓
Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	✓

Test Step 2.5 (Repeat Count = 1)	
Name	Input Value
EOTActuatorMng_Damping_MtrNm_M_f32	-0.800000012
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	345.653992
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	1997159793
EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24	93113549
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.209999993
EOTActuatorMng_SESSState_Uls_M_enum	SES_NORMAL
Rte_Inst_Ap_EOTActuatorMng	target_Rte_Inst_Ap_EOTActuatorMng
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.81099999
k_EOTDefltPosition_HwDeg_u12p4	9600
k_EOTDeltaTrqThrsh_HwNm_u9p7	640
k_EOTDynConf_Uls_u8p8	12800
k_EOTEnterLPFKn_Cnt_u16	600
k_EOTExitLPFKn_Cnt_u16	555
k_EOTImpSpdEn_Kph_u9p7	5888
k_EOTOriginalImpactandSoftEnd_Cnt_lgc	0
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32	24.3899994
k_EOTStateHwTrqLPFKn_Cnt_u16	7777
k_MaxRackTrvl_HwDeg_u12p4	8880
k_MinRackTrvl_HwDeg_u12p4	14336
k_PosRampStep_HwDeg_u12p4	4096
k_SoftStopEOTEnable_Cnt_lgc	0
k_SpdIptScale_MtrNmpRadps_u4p12	82
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	0
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	96
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	160
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	352
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	544
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	1616
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	1632
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	1648
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1184
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	3536
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	3552
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	3568
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	1824
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	5456
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	5472
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	5488
t2_EOTEnterGainY_Uls_u1p15[0][0]	5
t2_EOTEnterGainY_Uls_u1p15[0][1]	6
t2_EOTEnterGainY_Uls_u1p15[0][2]	39
t2_EOTEnterGainY_Uls_u1p15[0][3]	383
t2_EOTEnterGainY_Uls_u1p15[1][0]	6
t2_EOTEnterGainY_Uls_u1p15[1][1]	7
t2_EOTEnterGainY_Uls_u1p15[1][2]	69
t2_EOTEnterGainY_Uls_u1p15[1][3]	668
t2_EOTEnterGainY_Uls_u1p15[2][0]	6
t2_EOTEnterGainY_Uls_u1p15[2][1]	7
t2_EOTEnterGainY_Uls_u1p15[2][2]	59
t2_EOTEnterGainY_Uls_u1p15[2][3]	573
t2_EOTEnterGainY_Uls_u1p15[3][0]	8
t2_EOTEnterGainY_Uls_u1p15[3][1]	9

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Name	Input Value		
t2_EOTEnterGainY_Uls_u1p15[3][2]	118		
t2_EOTEnterGainY_Uls_u1p15[3][3]	1144		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	62		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	87		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	137		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	194		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	137		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	194		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	92		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	130		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	576		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	1184		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	704		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1088		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	768		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	4080		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	464		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	608		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]	9		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]	62		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]	198		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]	280		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]	122		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]	173		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]	103		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]	728		
t_EOTDmpVspd_Kph_u9p7[0]	4352		
t_EOTDmpVspd_Kph_u9p7[1]	12928		
t_EOTDmpVspd_Kph_u9p7[2]	13056		
t_EOTDmpVspd_Kph_u9p7[3]	13184		
t_EOTEnterGainVspd_Kph_u9p7[0]	4352		
t_EOTEnterGainVspd_Kph_u9p7[1]	12928		
t_EOTEnterGainVspd_Kph_u9p7[2]	13056		
t_EOTEnterGainVspd_Kph_u9p7[3]	13184		
t_SpdpltTblXTbl_HwDeg_u12p4[0]	0		
t_SpdpltTblXTbl_HwDeg_u12p4[1]	288		
t_SpdpltTblYTbl_MtrRadpS_u12p4[0]	464		
t_SpdpltTblYTbl_MtrRadpS_u12p4[1]	608		
t_TrqTableX_HwNm_u8p8[0]	768		
t_TrqTableX_HwNm_u8p8[1]	1280		
t_TrqTblY_Uls_u2p14[0]	82		
t_TrqTblY_Uls_u2p14[1]	819		
target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value	-665.140015		
target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value	1		
target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value	750.14502		
target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value	1		
target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value	0		
target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value	0.829999983		
target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value	600.070007		
target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value	5.0999999		
target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value	0.5		
target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value	0.477999985		
target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value	16.0499992		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32	target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls_f32	target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32	target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_lgc	target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Uls_f32	target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_Hwl	target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm_f	target_EOTActuatorMng_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadpS	target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_OutputRampMultLtd	target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph	target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	-0.751219988	-0.751219988 ± 0.0000390625	✔
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	600	600 ± 0.0000390625	✔
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	1979105193	1979105193 ± 1	✔
EOTActuatorMng_FiltHWTTrqSV_HwNm_M_s7p24	92219194	92219194 ± 1	✔
EOTActuatorMng_OutputRampMultLtd_M_f32	0.477999985	0.477999985 ± 0.00390625	✔

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Name	Actual Value	Expected Value	Result
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.921569824	0.921569824 ± 0.0625	✓
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED	SES_DISABLED	✓
target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value	-0.751219988	-0.751219988 ± 0.00048828125	✓
target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value	0.921569824	0.921569824 ± 0.0000390625	✓
target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value	0.570556641	0.570556641 ± 0.00048828125	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	✓
EOTDetermination	1	EOTDetermination	1	✓
EOTOrigImpact	1	EOTOrigImpact	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_DetLmtPos	1	SES_DetLmtPos	1	✓
SES_CalcExitGain	1	SES_CalcExitGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_CalcEnterGain	1	SES_CalcEnterGain	1	✓
BilinearXMYM_u16_u16XM_u16YM_Cnt	1	BilinearXMYM_u16_u16XM_u16YM_Cnt	1	✓
SES_CalcEOTGain	1	SES_CalcEOTGain	1	✓
SES_FiltEOTGain	1	SES_FiltEOTGain	1	✓
SES_CalcEOTDamp	1	SES_CalcEOTDamp	1	✓
BilinearXMYM_u16_u16XM_u16YM_Cnt	1	BilinearXMYM_u16_u16XM_u16YM_Cnt	1	✓
SES_StateCtrl	1	SES_StateCtrl	1	✓
Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	✓

Test Step 2.6 (Repeat Count = 1)	
Name	Input Value
EOTActuatorMng_Damping_MtrNm_M_f32	1.20000005
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	234.052002
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	1782411428
EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24	-74490839
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.310000002
EOTActuatorMng_SESState_Uls_M_enum	SES_ENTERING
Rte_Inst_Ap_EOTActuatorMng	target_Rte_Inst_Ap_EOTActuatorMng
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.344000012
k_EOTDefltPosition_HwDeg_u12p4	11200
k_EOTDeltaTrqThrsh_HwNm_u9p7	512
k_EOTDynConf_Uls_u8p8	0
k_EOTEnterLPFKn_Cnt_u16	500
k_EOTExitLPFKn_Cnt_u16	666
k_EOTImpSpdEn_Kph_u9p7	6016
k_EOTOriginalImpactandSoftEnd_Cnt_lgc	1
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32	28.4400005
k_EOTStateHwTrqLPFKn_Cnt_u16	6666
k_MaxRackTrvl_HwDeg_u12p4	10656
k_MinRackTrvl_HwDeg_u12p4	11920
k_PosRampStep_HwDeg_u12p4	9008
k_SoftStopEOTEnable_Cnt_lgc	1
k_SpdIptScale_MtrNmpRadpS_u4p12	82
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	160
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	336
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	480
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	656
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	560
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	1664
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	1680
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	1696
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1200
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	3584
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	3600
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	3616
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	1840
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	5504
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	5520
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	5536
t2_EOTEnterGainY_Uls_u1p15[0][0]	6
t2_EOTEnterGainY_Uls_u1p15[0][1]	6
t2_EOTEnterGainY_Uls_u1p15[0][2]	478
t2_EOTEnterGainY_Uls_u1p15[0][3]	49
t2_EOTEnterGainY_Uls_u1p15[1][0]	7
t2_EOTEnterGainY_Uls_u1p15[1][1]	7

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Name	Input Value
t2_EOTEnterGainY_Uls_u1p15[1][2]	78
t2_EOTEnterGainY_Uls_u1p15[1][3]	763
t2_EOTEnterGainY_Uls_u1p15[2][0]	6
t2_EOTEnterGainY_Uls_u1p15[2][1]	7
t2_EOTEnterGainY_Uls_u1p15[2][2]	69
t2_EOTEnterGainY_Uls_u1p15[2][3]	668
t2_EOTEnterGainY_Uls_u1p15[3][0]	8
t2_EOTEnterGainY_Uls_u1p15[3][1]	9
t2_EOTEnterGainY_Uls_u1p15[3][2]	127
t2_EOTEnterGainY_Uls_u1p15[3][3]	1239
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	77
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	108
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	153
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	216
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	153
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	216
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	107
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	151
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	608
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	1200
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	720
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1104
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	800
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	4096
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	480
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	624
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	11
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	77
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	213
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	302
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	137
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	194
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	74
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	105
t_EOTDmpVspd_Kph_u9p7[0]	4480
t_EOTDmpVspd_Kph_u9p7[1]	13312
t_EOTDmpVspd_Kph_u9p7[2]	13440
t_EOTDmpVspd_Kph_u9p7[3]	13568
t_EOTEnterGainVspd_Kph_u9p7[0]	4480
t_EOTEnterGainVspd_Kph_u9p7[1]	13312
t_EOTEnterGainVspd_Kph_u9p7[2]	13440
t_EOTEnterGainVspd_Kph_u9p7[3]	13568
t_SpdIptTblXTbl_HwDeg_u12p4[0]	144
t_SpdIptTblXTbl_HwDeg_u12p4[1]	304
t_SpdIptTblYTbl_MtrRadps_u12p4[0]	480
t_SpdIptTblYTbl_MtrRadps_u12p4[1]	624
t_TrqTableX_HwNm_u8p8[0]	256
t_TrqTableX_HwNm_u8p8[1]	1024
t_TrqTblY_Uls_u2p14[0]	16
t_TrqTblY_Uls_u2p14[1]	98
target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value	-555.349976
target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value	1
target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value	0
target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value	1
target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value	0
target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value	0.230000004
target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value	-500.170013
target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value	1.10000002
target_EOTActuatorMng_Per1_MotorVel_MtrRadps_f32.value	-0.600000024
target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value	0.953000009
target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value	17.0599995
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDamping	target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls	target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit_MtrNm	target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CwFound_Cnt_lgc
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_lgc	target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Uls	target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32	target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm_f32	target_EOTActuatorMng_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadps_f32	target_EOTActuatorMng_Per1_MotorVel_MtrRadps_f32

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Name	Input Value		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_OutputRampMultLtd	target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph	target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	1.14312005	1.14312005 ± 0.0000390625	✓
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	700	700 ± 0.0000390625	✓
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	1768837428	1768837428 ± 1	✓
EOTActuatorMng_FiltHWTqSV_HwNm_M_s7p24	-68784743	-68784743 ± 1	✓
EOTActuatorMng_OutputRampMultLtd_M_f32	0.953000009	0.953000009 ± 0.00390625	✓
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.823669434	0.823669434 ± 0.0625	✓
EOTActuatorMng_SESSState_Uls_M_enum	SES_NORMAL	SES_NORMAL	✓
target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value	1.14312005	1.14312005 ± 0.00048828125	✓
target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value	0.823669434	0.823669434 ± 0.0000390625	✓
target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value	0.768750012	0.768750012 ± 0.00048828125	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	✓
EOTDetermination	1	EOTDetermination	1	✓
EOTOrigImpact	1	EOTOrigImpact	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_DetLmtPos	1	SES_DetLmtPos	1	✓
SES_CalcExitGain	1	SES_CalcExitGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_CalcEnterGain	1	SES_CalcEnterGain	1	✓
BilinearXMYM_u16_u16XMu16YM_Cnt	1	BilinearXMYM_u16_u16XMu16YM_Cnt	1	✓
SES_CalcEOTGain	1	SES_CalcEOTGain	1	✓
SES_FiltEOTGain	1	SES_FiltEOTGain	1	✓
SES_CalcEOTDamp	1	SES_CalcEOTDamp	1	✓
BilinearXMYM_u16_u16XMu16YM_Cnt	1	BilinearXMYM_u16_u16XMu16YM_Cnt	1	✓
SES_StateCtrl	1	SES_StateCtrl	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	2	IntplVarXY_u16_u16Xu16Y_Cnt	2	✓
Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	✓

Test Step 2.7 (Repeat Count = 1)	
Name	Input Value
EOTActuatorMng_Damping_MtrNm_M_f32	3.20000005
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	1000.40997
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	1567663063
EOTActuatorMng_FiltHWTqSV_HwNm_M_s7p24	-55868129
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.529999971
EOTActuatorMng_SESSState_Uls_M_enum	SES_ENTERING
Rte_Inst_Ap_EOTActuatorMng	target_Rte_Inst_Ap_EOTActuatorMng
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.660000026
k_EOTDefltPosition_HwDeg_u12p4	12800
k_EOTDeltaTrqThrsh_HwNm_u9p7	384
k_EOTDynConf_Uls_u8p8	17920
k_EOTEnterLPFKn_Cnt_u16	486
k_EOTExitLPFKn_Cnt_u16	777
k_EOTImpSpdEn_Kph_u9p7	6144
k_EOTOriginalImpactandSoftEnd_Cnt_lgc	0
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32	32.4900017
k_EOTStateHwTrqLPFKn_Cnt_u16	5555
k_MaxRackTrvl_HwDeg_u12p4	12432
k_MinRackTrvl_HwDeg_u12p4	18672
k_PosRampStep_HwDeg_u12p4	5536
k_SoftStopEOTEnable_Cnt_lgc	0
k_SpdLptScale_MtrNmpRadps_u4p12	82
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	800
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	960
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	1152
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	1296
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	576
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	1712
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	1728
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	1744
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1216
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	3632
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	3648
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	3664
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	1856

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Name	Input Value
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	5552
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	5568
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	5584
t2_EOTEnterGainY_Uls_u1p15[0][0]	6
t2_EOTEnterGainY_Uls_u1p15[0][1]	7
t2_EOTEnterGainY_Uls_u1p15[0][2]	59
t2_EOTEnterGainY_Uls_u1p15[0][3]	573
t2_EOTEnterGainY_Uls_u1p15[1][0]	7
t2_EOTEnterGainY_Uls_u1p15[1][1]	8
t2_EOTEnterGainY_Uls_u1p15[1][2]	88
t2_EOTEnterGainY_Uls_u1p15[1][3]	859
t2_EOTEnterGainY_Uls_u1p15[2][0]	7
t2_EOTEnterGainY_Uls_u1p15[2][1]	7
t2_EOTEnterGainY_Uls_u1p15[2][2]	78
t2_EOTEnterGainY_Uls_u1p15[2][3]	763
t2_EOTEnterGainY_Uls_u1p15[3][0]	9
t2_EOTEnterGainY_Uls_u1p15[3][1]	9
t2_EOTEnterGainY_Uls_u1p15[3][2]	137
t2_EOTEnterGainY_Uls_u1p15[3][3]	1334
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	92
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	130
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	168
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	237
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	168
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	237
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	122
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	173
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	640
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	1216
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	736
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1120
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	832
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	4112
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	496
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	640
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]	13
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]	92
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]	228
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]	323
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]	153
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]	216
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]	76
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]	108
t_EOTDmpVspd_Kph_u9p7[0]	4608
t_EOTDmpVspd_Kph_u9p7[1]	13696
t_EOTDmpVspd_Kph_u9p7[2]	13824
t_EOTDmpVspd_Kph_u9p7[3]	13952
t_EOTEnterGainVspd_Kph_u9p7[0]	4608
t_EOTEnterGainVspd_Kph_u9p7[1]	13696
t_EOTEnterGainVspd_Kph_u9p7[2]	13824
t_EOTEnterGainVspd_Kph_u9p7[3]	13952
t_SpdIptTblXTbl_HwDeg_u12p4[0]	128
t_SpdIptTblXTbl_HwDeg_u12p4[1]	320
t_SpdIptTblYTbl_MtrRadpS_u12p4[0]	496
t_SpdIptTblYTbl_MtrRadpS_u12p4[1]	640
t_TrqTableX_HwNm_u8p8[0]	256
t_TrqTableX_HwNm_u8p8[1]	768
t_TrqTblY_Uls_u2p14[0]	33
t_TrqTblY_Uls_u2p14[1]	115
target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value	-465.279999
target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value	1
target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value	1440.10999
target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value	0
target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value	0
target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value	0.839999974
target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value	500.25
target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value	-1.20000005
target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value	0.699999988
target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value	0.186000004
target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value	18.0699997
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32	target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls	target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit_MtrNm	target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32



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Name	Input Value		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_lgc	target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Uls	target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_Hwl	target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm_f	target_EOTActuatorMng_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadpS	target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_OutputRampMultLtd	target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph	target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	3.13502002	3.13502002 ± 0.0000390625	✔
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	800	800 ± 0.0000390625	✔
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	1556316421	1556316421 ± 1	✔
EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24	-52835099	-52835099 ± 1	✔
EOTActuatorMng_OutputRampMultLtd_M_f32	0.186000004	0.186000004 ± 0.00390625	✔
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.724700928	0.724700928 ± 0.0625	✔
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED	SES_DISABLED	✔
target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value	3.13502002	3.13502002 ± 0.00048828125	✔
target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value	0.724700928	0.724700928 ± 0.0000390625	✔
target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value	0.606591761	0.606591821 ± 0.00048828125	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	✓
EOTDetermination	1	EOTDetermination	1	✓
EOTOrigImpact	1	EOTOrigImpact	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_DetLmtPos	1	SES_DetLmtPos	1	✓
SES_CalcExitGain	1	SES_CalcExitGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_CalcEnterGain	1	SES_CalcEnterGain	1	✓
BilinearXYM_u16_u16XM_u16YM_Cnt	1	BilinearXYM_u16_u16XM_u16YM_Cnt	1	✓
SES_CalcEOTGain	1	SES_CalcEOTGain	1	✓
SES_FiltEOTGain	1	SES_FiltEOTGain	1	✓
SES_CalcEOTDamp	1	SES_CalcEOTDamp	1	✓
BilinearXYM_u16_u16XM_u16YM_Cnt	1	BilinearXYM_u16_u16XM_u16YM_Cnt	1	✓
SES_StateCtrl	1	SES_StateCtrl	1	✓
Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	✓

Test Step 2.8 (Repeat Count = 1)	
Name	Input Value
EOTActuatorMng_Damping_MtrNm_M_f32	5.19999981
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	999.140015
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	1352914698
EOTActuatorMng_FiltHWTqSV_HwNm_M_s7p24	37245420
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.639999986
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL
Rte_Inst_Ap_EOTActuatorMng	target_Rte_Inst_Ap_EOTActuatorMng
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.734000027
k_EOTDefltPosition_HwDeg_u12p4	1776
k_EOTDeltaTrqThrsh_HwNm_u9p7	256
k_EOTDynConf_Uls_u8p8	20480
k_EOTEnterLPFKn_Cnt_u16	400
k_EOTExitLPFKn_Cnt_u16	888
k_EOTImpSpdEn_Kph_u9p7	6272
k_EOTOriginalImpactandSoftEnd_Cnt_lgc	1
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32	36.5400009
k_EOTStateHwTrqLPFKn_Cnt_u16	4444
k_MaxRackTrvl_HwDeg_u12p4	14208
k_MinRackTrvl_HwDeg_u12p4	6160
k_PosRampStep_HwDeg_u12p4	7456
k_SoftStopEOTEnable_Cnt_lgc	1
k_SpdIptScale_MtrNmpRadPS_u4p12	83
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	1440
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	1632
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	1776
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	2400
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	592



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Name	Input Value
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	1760
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	1776
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	1792
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1232
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	3680
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	3696
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	3712
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	1872
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	5600
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	5616
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	5632
t2_EOTEnterGainY_Uls_u1p15[0][0]	6
t2_EOTEnterGainY_Uls_u1p15[0][1]	69
t2_EOTEnterGainY_Uls_u1p15[0][2]	7
t2_EOTEnterGainY_Uls_u1p15[0][3]	668
t2_EOTEnterGainY_Uls_u1p15[1][0]	7
t2_EOTEnterGainY_Uls_u1p15[1][1]	8
t2_EOTEnterGainY_Uls_u1p15[1][2]	98
t2_EOTEnterGainY_Uls_u1p15[1][3]	954
t2_EOTEnterGainY_Uls_u1p15[2][0]	7
t2_EOTEnterGainY_Uls_u1p15[2][1]	8
t2_EOTEnterGainY_Uls_u1p15[2][2]	88
t2_EOTEnterGainY_Uls_u1p15[2][3]	859
t2_EOTEnterGainY_Uls_u1p15[3][0]	9
t2_EOTEnterGainY_Uls_u1p15[3][1]	10
t2_EOTEnterGainY_Uls_u1p15[3][2]	147
t2_EOTEnterGainY_Uls_u1p15[3][3]	1429
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	107
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	151
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	183
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	259
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	183
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	259
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	137
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	194
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	672
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	1232
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	752
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1136
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	864
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	4128
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	512
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	656
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]	107
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]	151
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]	243
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]	345
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]	168
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]	237
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]	77
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]	110
t_EOTDmpVspd_Kph_u9p7[0]	4736
t_EOTDmpVspd_Kph_u9p7[1]	14080
t_EOTDmpVspd_Kph_u9p7[2]	14208
t_EOTDmpVspd_Kph_u9p7[3]	14336
t_EOTEnterGainVspd_Kph_u9p7[0]	4736
t_EOTEnterGainVspd_Kph_u9p7[1]	14080
t_EOTEnterGainVspd_Kph_u9p7[2]	14208
t_EOTEnterGainVspd_Kph_u9p7[3]	14336
t_SpdIptTblXTbl_HwDeg_u12p4[0]	112
t_SpdIptTblXTbl_HwDeg_u12p4[1]	336
t_SpdIptTblYTbl_MtrRadpS_u12p4[0]	512
t_SpdIptTblYTbl_MtrRadpS_u12p4[1]	656
t_TrqTableX_HwNm_u8p8[0]	0
t_TrqTableX_HwNm_u8p8[1]	512
t_TrqTblY_Uls_u2p14[0]	49
t_TrqTblY_Uls_u2p14[1]	131
target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value	-444.160004
target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value	0
target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value	1000.20001
target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value	1
target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value	1
target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value	0.879999995

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Name	Input Value		
target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value	-400.350006		
target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value	2.29999995		
target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value	-0.800000012		
target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value	0.829999983		
target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value	19.0499992		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32	target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls	target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32	target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_lgc	target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Uls	target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32	target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm_f32	target_EOTActuatorMng_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32	target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32	target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph_f32	target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	5.12691975	5.12692022 ± 0.0000390625	✔
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	999.140015	999.140015 ± 0.0000390625	✔
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	1344659898	1344659898 ± 1	✔
EOTActuatorMng_FiltHWTqSV_HwNm_M_s7p24	32108156	32108156 ± 1	✔
EOTActuatorMng_OutputRampMultLtd_M_f32	0.829999983	0.829999983 ± 0.00390625	✔
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.62612915	0.62612915 ± 0.0625	✔
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED	SES_DISABLED	✔
target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value	5.12691975	5.12692022 ± 0.00048828125	✔
target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value	0.62612915	0.62612915 ± 0.0000390625	✔
target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value	8.80000019	8.80000019 ± 0.00048828125	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	✓
EOTDetermination	1	EOTDetermination	1	✓
SES_DetLmtPos	1	SES_DetLmtPos	1	✓
SES_CalcExitGain	1	SES_CalcExitGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_CalcEnterGain	1	SES_CalcEnterGain	1	✓
BilinearXMYM_u16_u16XMu16YM_Cnt	1	BilinearXMYM_u16_u16XMu16YM_Cnt	1	✓
SES_CalcEOTGain	1	SES_CalcEOTGain	1	✓
SES_FiltEOTGain	1	SES_FiltEOTGain	1	✓
SES_CalcEOTDamp	1	SES_CalcEOTDamp	1	✓
BilinearXMYM_u16_u16XMu16YM_Cnt	1	BilinearXMYM_u16_u16XMu16YM_Cnt	1	✓
SES_StateCtrl	1	SES_StateCtrl	1	✓
Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	✓

Test Step 2.9 (Repeat Count = 1)	
Name	Input Value
EOTActuatorMng_Damping_MtrNm_M_f32	7.19999981
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	666.97998
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	493921239
EOTActuatorMng_FiltHWTqSV_HwNm_M_s7p24	159383552
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.75
EOTActuatorMng_SESState_Uls_M_enum	SES_ENTERING
Rte_Inst_Ap_EOTActuatorMng	target_Rte_Inst_Ap_EOTActuatorMng
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.0939999968
k_EOTDefltPosition_HwDeg_u12p4	3552
k_EOTDeltaTrqThrsh_HwNm_u9p7	128
k_EOTDynConf_Uls_u8p8	0
k_EOTEnterLPFKn_Cnt_u16	300
k_EOTExitLPFKn_Cnt_u16	1234
k_EOTImpSpdEn_Kph_u9p7	6400
k_EOTOriginalImpactandSoftEnd_Cnt_lgc	0
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32	40.5900002
k_EOTStateHwTrqLPFKn_Cnt_u16	3333
k_MaxRackTrvl_HwDeg_u12p4	15984
k_MinRackTrvl_HwDeg_u12p4	13680
k_PosRampStep_HwDeg_u12p4	10976
k_SoftStopEOTEnable_Cnt_lgc	1

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EOTActuatorMng\_Per1

Name	Input Value
k_SpdIptScale_MtrNmpRadps_u4p12	83
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	0
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	64
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	160
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	368
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	608
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	1808
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	1824
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	1840
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1248
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	3728
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	3744
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	3760
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	1888
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	5648
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	5664
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	5680
t2_EOTEnterGainY_Uls_u1p15[0][0]	7
t2_EOTEnterGainY_Uls_u1p15[0][1]	7
t2_EOTEnterGainY_Uls_u1p15[0][2]	78
t2_EOTEnterGainY_Uls_u1p15[0][3]	763
t2_EOTEnterGainY_Uls_u1p15[1][0]	8
t2_EOTEnterGainY_Uls_u1p15[1][1]	8
t2_EOTEnterGainY_Uls_u1p15[1][2]	108
t2_EOTEnterGainY_Uls_u1p15[1][3]	1049
t2_EOTEnterGainY_Uls_u1p15[2][0]	7
t2_EOTEnterGainY_Uls_u1p15[2][1]	8
t2_EOTEnterGainY_Uls_u1p15[2][2]	98
t2_EOTEnterGainY_Uls_u1p15[2][3]	954
t2_EOTEnterGainY_Uls_u1p15[3][0]	9
t2_EOTEnterGainY_Uls_u1p15[3][1]	10
t2_EOTEnterGainY_Uls_u1p15[3][2]	157
t2_EOTEnterGainY_Uls_u1p15[3][3]	1524
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	122
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	173
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	198
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	280
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	198
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	280
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	153
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	216
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	704
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	1248
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	768
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1152
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	896
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	4144
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	528
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	672
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	17
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	122
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	259
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	366
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	183
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	259
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	112
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	788
t_EOTDmpVspd_Kph_u9p7[0]	4864
t_EOTDmpVspd_Kph_u9p7[1]	14464
t_EOTDmpVspd_Kph_u9p7[2]	14592
t_EOTDmpVspd_Kph_u9p7[3]	14720
t_EOTEnterGainVspd_Kph_u9p7[0]	4864
t_EOTEnterGainVspd_Kph_u9p7[1]	14464
t_EOTEnterGainVspd_Kph_u9p7[2]	14592
t_EOTEnterGainVspd_Kph_u9p7[3]	14720
t_SpdIptTblXTbl_HwDeg_u12p4[0]	96
t_SpdIptTblXTbl_HwDeg_u12p4[1]	352
t_SpdIptTblYTbl_MtrRadps_u12p4[0]	528
t_SpdIptTblYTbl_MtrRadps_u12p4[1]	672
t_TrqTableX_HwNm_u8p8[0]	256
t_TrqTableX_HwNm_u8p8[1]	1792
t_TrqTblY_Uls_u2p14[0]	66
t_TrqTblY_Uls_u2p14[1]	147

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EOTActuatorMng\_Per1

Name	Input Value		
target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value	-1440.10999		
target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value	1		
target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value	100.054001		
target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value	1		
target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value	0		
target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value	0.550000012		
target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value	-400.450012		
target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value	-3.4000001		
target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value	0.109999999		
target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value	0.644999981		
target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value	1.11000001		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32	target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls_f32	target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32	target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_lgc	target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Uls_f32	target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32	target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm_f32	target_EOTActuatorMng_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32	target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32	target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph_f32	target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	7.11881971	7.11882019 ± 0.0000390625	✔
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	666.97998	666.97998 ± 0.0000390625	✔
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	491889339	491889339 ± 1	✔
EOTActuatorMng_FiltHWTqSV_HwNm_M_s7p24	154177406	154177406 ± 1	✔
EOTActuatorMng_OutputRampMultLtd_M_f32	0.644999981	0.644999981 ± 0.00390625	✔
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.229034424	0.229034424 ± 0.0625	✔
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL	SES_NORMAL	✔
target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value	7.11881971	7.11882019 ± 0.00048828125	✔
target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value	0.229034424	0.229034424 ± 0.0000390625	✔
target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value	8.80000019	8.80000019 ± 0.00048828125	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	✓
EOTDetermination	1	EOTDetermination	1	✓
SES_DetLmtPos	1	SES_DetLmtPos	1	✓
SES_CalcExitGain	1	SES_CalcExitGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_CalcEnterGain	1	SES_CalcEnterGain	1	✓
BilinearXMYM_u16_u16XM_u16YM_Cnt	1	BilinearXMYM_u16_u16XM_u16YM_Cnt	1	✓
SES_CalcEOTGain	1	SES_CalcEOTGain	1	✓
SES_FiltEOTGain	1	SES_FiltEOTGain	1	✓
SES_CalcEOTDamp	1	SES_CalcEOTDamp	1	✓
BilinearXMYM_u16_u16XM_u16YM_Cnt	1	BilinearXMYM_u16_u16XM_u16YM_Cnt	1	✓
SES_StateCtrl	1	SES_StateCtrl	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	2	IntplVarXY_u16_u16Xu16Y_Cnt	2	✓
Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	✓

Test Step 2.10 (Repeat Count = 1)	
Name	Input Value
EOTActuatorMng_Damping_MtrNm_M_f32	0
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	555.469971
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	279172874
EOTActuatorMng_FiltHWTqSV_HwNm_M_s7p24	-142606336
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.860000014
EOTActuatorMng_SESSState_Uls_M_enum	SES_NORMAL
Rte_Inst_Ap_EOTActuatorMng	target_Rte_Inst_Ap_EOTActuatorMng
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.075000003
k_EOTDefltPosition_HwDeg_u12p4	5328
k_EOTDeltaTrqThrsh_HwNm_u9p7	1152
k_EOTDynConf_Uls_u8p8	25600
k_EOTEnterLPFKn_Cnt_u16	200
k_EOTExitLPFKn_Cnt_u16	2345
k_EOTImpSpdEn_Kph_u9p7	6528

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EOTActuatorMng\_Per1

Name	Input Value
k_EOTOriginalImpactandSoftEnd_Cnt_lgc	1
k_EOTPosDepDmpFinalSlew_MtrNmpS_T_f32	44.6399994
k_EOTStateHwTrqLPFKn_Cnt_u16	2222
k_MaxRackTrvl_HwDeg_u12p4	16000
k_MinRackTrvl_HwDeg_u12p4	6192
k_PosRampStep_HwDeg_u12p4	2624
k_SoftStopEOTEnable_Cnt_lgc	1
k_SpdIptScale_MtrNmpRadpS_u4p12	84
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	160
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	352
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	480
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	720
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	624
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	1856
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	1872
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	1888
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1264
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	3776
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	3792
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	3808
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	1904
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	5696
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	5712
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	5728
t2_EOTEnterGainY_Uls_u1p15[0][0]	7
t2_EOTEnterGainY_Uls_u1p15[0][1]	8
t2_EOTEnterGainY_Uls_u1p15[0][2]	88
t2_EOTEnterGainY_Uls_u1p15[0][3]	859
t2_EOTEnterGainY_Uls_u1p15[1][0]	8
t2_EOTEnterGainY_Uls_u1p15[1][1]	9
t2_EOTEnterGainY_Uls_u1p15[1][2]	118
t2_EOTEnterGainY_Uls_u1p15[1][3]	1144
t2_EOTEnterGainY_Uls_u1p15[2][0]	8
t2_EOTEnterGainY_Uls_u1p15[2][1]	8
t2_EOTEnterGainY_Uls_u1p15[2][2]	108
t2_EOTEnterGainY_Uls_u1p15[2][3]	1049
t2_EOTEnterGainY_Uls_u1p15[3][0]	10
t2_EOTEnterGainY_Uls_u1p15[3][1]	10
t2_EOTEnterGainY_Uls_u1p15[3][2]	167
t2_EOTEnterGainY_Uls_u1p15[3][3]	1619
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	137
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	194
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	213
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	302
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	213
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	302
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	168
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	237
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	736
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	1264
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	784
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1168
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	928
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	4160
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	544
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	688
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]	137
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]	194
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]	274
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]	388
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]	198
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]	280
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]	804
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]	114
t_EOTDmpVspd_Kph_u9p7[0]	4992
t_EOTDmpVspd_Kph_u9p7[1]	14848
t_EOTDmpVspd_Kph_u9p7[2]	14976
t_EOTDmpVspd_Kph_u9p7[3]	15104
t_EOTEnterGainVspd_Kph_u9p7[0]	4992
t_EOTEnterGainVspd_Kph_u9p7[1]	14848
t_EOTEnterGainVspd_Kph_u9p7[2]	14976
t_EOTEnterGainVspd_Kph_u9p7[3]	15104
t_SpdIptTblX_HwDeg_u12p4[0]	80

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Name	Input Value		
t_SpdIptTbIXTbI_HwDeg_u12p4[1]	368		
t_SpdIptTbIYTbI_MtrRadpS_u12p4[0]	544		
t_SpdIptTbIYTbI_MtrRadpS_u12p4[1]	688		
t_TrqTableX_HwNm_u8p8[0]	768		
t_TrqTableX_HwNm_u8p8[1]	1536		
t_TrqTbIY_Uls_u2p14[0]	82		
t_TrqTbIY_Uls_u2p14[1]	164		
target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value	0		
target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value	0		
target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value	444.040985		
target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value	0		
target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value	1		
target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value	0.439999998		
target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value	-300.26001		
target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value	4.5		
target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value	0.129999995		
target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value	0.0960000008		
target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value	2.11999989		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32	target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls_f32	target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32	target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_lgc	target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Uls_f32	target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32	target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm_f32	target_EOTActuatorMng_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32	target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32	target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph_f32	target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	0.00038482665	0.000384826999 ± 0.0000390625	✔
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	555.469971	555.469971 ± 0.0000390625	✔
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	278492874	278492874 ± 1	✔
EOTActuatorMng_FiltHWTqSV_HwNm_M_s7p24	-140331008	-140331008 ± 1	✔
EOTActuatorMng_OutputRampMultLtd_M_f32	0.0960000008	0.0960000008 ± 0.00390625	✔
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.129669189	0.129669189 ± 0.0625	✔
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED	SES_DISABLED	✔
target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value	0.00038482665	0.000384826999 ± 0.00048828125	✔
target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value	0.129669189	0.129669189 ± 0.0000390625	✔
target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value	8.80000019	8.80000019 ± 0.00048828125	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	✓
EOTDetermination	1	EOTDetermination	1	✓
SES_DetLmtPos	1	SES_DetLmtPos	1	✓
SES_CalcExitGain	1	SES_CalcExitGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_CalcEnterGain	1	SES_CalcEnterGain	1	✓
BilinearXMYM_u16_u16XM_u16YM_Cnt	1	BilinearXMYM_u16_u16XM_u16YM_Cnt	1	✓
SES_CalcEOTGain	1	SES_CalcEOTGain	1	✓
SES_FiltEOTGain	1	SES_FiltEOTGain	1	✓
SES_CalcEOTDamp	1	SES_CalcEOTDamp	1	✓
BilinearXMYM_u16_u16XM_u16YM_Cnt	1	BilinearXMYM_u16_u16XM_u16YM_Cnt	1	✓
SES_StateCtrl	1	SES_StateCtrl	1	✓
Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	✓

Test Step 2.11 (Repeat Count = 1)	
Name	Input Value
EOTActuatorMng_Damping_MtrNm_M_f32	1
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	444.153992
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	2040109466
EOTActuatorMng_FiltHWTqSV_HwNm_M_s7p24	142606336
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.870000005
EOTActuatorMng_SESState_Uls_M_enum	SES_ENTERING
Rte_Inst_Ap_EOTActuatorMng	target_Rte_Inst_Ap_EOTActuatorMng
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.595000029

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Name	Input Value
k_EOTDefltPosition_HwDeg_u12p4	7104
k_EOTDeltaTrqThrsh_HwNm_u9p7	1024
k_EOTDynConf_Uls_u8p8	0
k_EOTEnterLPFKn_Cnt_u16	100
k_EOTExitLPFKn_Cnt_u16	3456
k_EOTImpSpdEn_Kph_u9p7	6656
k_EOTOriginalImpactandSoftEnd_Cnt_lgc	0
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32	48.6899986
k_EOTStateHwTrqLPFKn_Cnt_u16	1111
k_MaxRackTrvl_HwDeg_u12p4	17776
k_MinRackTrvl_HwDeg_u12p4	12064
k_PosRampStep_HwDeg_u12p4	12256
k_SoftStopEOTEnable_Cnt_lgc	1
k_SpdIptScale_MtrNmpRadps_u4p12	84
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	800
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	960
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	1120
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	1280
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	640
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	1904
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	1920
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	1936
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1280
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	3824
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	3840
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	3856
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	1920
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	5744
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	5760
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	5776
t2_EOTEnterGainY_Uls_u1p15[0][0]	7
t2_EOTEnterGainY_Uls_u1p15[0][1]	8
t2_EOTEnterGainY_Uls_u1p15[0][2]	98
t2_EOTEnterGainY_Uls_u1p15[0][3]	954
t2_EOTEnterGainY_Uls_u1p15[1][0]	8
t2_EOTEnterGainY_Uls_u1p15[1][1]	9
t2_EOTEnterGainY_Uls_u1p15[1][2]	127
t2_EOTEnterGainY_Uls_u1p15[1][3]	1239
t2_EOTEnterGainY_Uls_u1p15[2][0]	8
t2_EOTEnterGainY_Uls_u1p15[2][1]	9
t2_EOTEnterGainY_Uls_u1p15[2][2]	118
t2_EOTEnterGainY_Uls_u1p15[2][3]	1144
t2_EOTEnterGainY_Uls_u1p15[3][0]	10
t2_EOTEnterGainY_Uls_u1p15[3][1]	10
t2_EOTEnterGainY_Uls_u1p15[3][2]	176
t2_EOTEnterGainY_Uls_u1p15[3][3]	1714
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	153
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	216
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	228
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	323
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	228
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	323
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	183
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	259
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	768
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	1280
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	800
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1184
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	800
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	4176
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	320
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	704
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	22
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	153
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	289
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	409
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	213
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	302
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	116
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	819
t_EOTDmpVspd_Kph_u9p7[0]	5120
t_EOTDmpVspd_Kph_u9p7[1]	15232
t_EOTDmpVspd_Kph_u9p7[2]	15360



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Name	Input Value
t_EOTDmpVspd_Kph_u9p7[3]	15488
t_EOTEnterGainVspd_Kph_u9p7[0]	5120
t_EOTEnterGainVspd_Kph_u9p7[1]	15232
t_EOTEnterGainVspd_Kph_u9p7[2]	15360
t_EOTEnterGainVspd_Kph_u9p7[3]	15488
t_SpdIptTbIXTbI_HwDeg_u12p4[0]	64
t_SpdIptTbIXTbI_HwDeg_u12p4[1]	384
t_SpdIptTbIYTbI_MtrRadpS_u12p4[0]	320
t_SpdIptTbIYTbI_MtrRadpS_u12p4[1]	704
t_TrqTableX_HwNm_u8p8[0]	512
t_TrqTableX_HwNm_u8p8[1]	1280
t_TrqTbIY_Uls_u2p14[0]	98
t_TrqTbIY_Uls_u2p14[1]	180
target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value	-1000.09998
target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value	1
target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value	555.021973
target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value	1
target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value	0
target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value	0.870000005
target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value	300.147003
target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value	-4.5999999
target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value	-0.150000006
target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value	0.558000028
target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value	3.13000011
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDamping	target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls	target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit_MtrI	target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f3	target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CwFound_Cnt_lgc
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_lgc	target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Uls	target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_HwI	target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm_f	target_EOTActuatorMng_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadpS	target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_OutputRampMultLtd	target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph_	target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32

Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	0.902620018	0.902620018 ± 0.0000390625	✓
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	444.153992	444.153992 ± 0.0000390625	✓
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	2037091966	2037091966 ± 1	✓
EOTActuatorMng_FiltHWTqSV_HwNm_M_s7p24	138881153	138881153 ± 1	✓
EOTActuatorMng_OutputRampMultLtd_M_f32	0.558000028	0.558000028 ± 0.00390625	✓
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.948577881	0.948577881 ± 0.0625	✓
EOTActuatorMng_SESSState_Uls_M_enum	SES_NORMAL	SES_NORMAL	✓
target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value	0.902620018	0.902620018 ± 0.00048828125	✓
target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value	0.948577881	0.948577881 ± 0.0000390625	✓
target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value	8.80000019	8.80000019 ± 0.00048828125	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	✓
EOTDetermination	1	EOTDetermination	1	✓
SES_DetLmtPos	1	SES_DetLmtPos	1	✓
SES_CalcExitGain	1	SES_CalcExitGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_CalcEnterGain	1	SES_CalcEnterGain	1	✓
BilinearXMYM_u16_u16XM_u16YM_Cnt	1	BilinearXMYM_u16_u16XM_u16YM_Cnt	1	✓
SES_CalcEOTGain	1	SES_CalcEOTGain	1	✓
SES_FiltEOTGain	1	SES_FiltEOTGain	1	✓
SES_CalcEOTDamp	1	SES_CalcEOTDamp	1	✓
BilinearXMYM_u16_u16XM_u16YM_Cnt	1	BilinearXMYM_u16_u16XM_u16YM_Cnt	1	✓
SES_StateCtrl	1	SES_StateCtrl	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	2	IntplVarXY_u16_u16Xu16Y_Cnt	2	✓
Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	✓

Test Step 2.12 (Repeat Count = 1)	
Name	Input Value
EOTActuatorMng_Damping_MtrNm_M_f32	1.20000005



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EOTActuatorMng\_Per1

Name	Input Value
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	111.353996
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	1395864371
EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24	-109051904
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.75999999
EOTActuatorMng_SESState_Uls_M_enum	SES_ENTERING
Rte_Inst_Ap_EOTActuatorMng	target_Rte_Inst_Ap_EOTActuatorMng
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.0869999975
k_EOTDefltPosition_HwDeg_u12p4	8880
k_EOTDeltaTrqThrsh_HwNm_u9p7	896
k_EOTDynConf_Uls_u8p8	30720
k_EOTEnterLPFKn_Cnt_u16	111
k_EOTExitLPFKn_Cnt_u16	999
k_EOTImpSpdEn_Kph_u9p7	6784
k_EOTOriginalImpactandSoftEnd_Cnt_lgc	1
k_EOTPosDepDmpFinalSlew_MtrNmpS_T_f32	52.7400017
k_EOTStateHwTrqLPFKn_Cnt_u16	1000
k_MaxRackTrvl_HwDeg_u12p4	10144
k_MinRackTrvl_HwDeg_u12p4	6048
k_PosRampStep_HwDeg_u12p4	12560
k_SoftStopEOTEnable_Cnt_lgc	1
k_SpdIptScale_MtrNmpRadps_u4p12	84
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	1440
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	1760
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	1920
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	2000
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	656
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	1952
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	1968
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	1984
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1296
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	3872
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	3888
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	3904
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	1936
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	5792
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	5808
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	5824
t2_EOTEnterGainY_Uls_u1p15[0][0]	8
t2_EOTEnterGainY_Uls_u1p15[0][1]	8
t2_EOTEnterGainY_Uls_u1p15[0][2]	108
t2_EOTEnterGainY_Uls_u1p15[0][3]	1049
t2_EOTEnterGainY_Uls_u1p15[1][0]	9
t2_EOTEnterGainY_Uls_u1p15[1][1]	9
t2_EOTEnterGainY_Uls_u1p15[1][2]	137
t2_EOTEnterGainY_Uls_u1p15[1][3]	1334
t2_EOTEnterGainY_Uls_u1p15[2][0]	8
t2_EOTEnterGainY_Uls_u1p15[2][1]	9
t2_EOTEnterGainY_Uls_u1p15[2][2]	127
t2_EOTEnterGainY_Uls_u1p15[2][3]	1239
t2_EOTEnterGainY_Uls_u1p15[3][0]	10
t2_EOTEnterGainY_Uls_u1p15[3][1]	11
t2_EOTEnterGainY_Uls_u1p15[3][2]	186
t2_EOTEnterGainY_Uls_u1p15[3][3]	1809
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	168
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	237
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	243
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	345
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	243
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	345
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	198
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	280
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	800
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	1296
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	816
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1200
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	816
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	4192
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	336
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	720
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	24
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	168
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	304
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	431

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Name	Input Value		
t2_EOTPosDepDmpTbly_MtrNmpRadpS_u0p16[2][0]	228		
t2_EOTPosDepDmpTbly_MtrNmpRadpS_u0p16[2][1]	323		
t2_EOTPosDepDmpTbly_MtrNmpRadpS_u0p16[3][0]	528		
t2_EOTPosDepDmpTbly_MtrNmpRadpS_u0p16[3][1]	834		
t_EOTDmpVspd_Kph_u9p7[0]	5248		
t_EOTDmpVspd_Kph_u9p7[1]	15616		
t_EOTDmpVspd_Kph_u9p7[2]	15744		
t_EOTDmpVspd_Kph_u9p7[3]	15872		
t_EOTEnterGainVspd_Kph_u9p7[0]	5248		
t_EOTEnterGainVspd_Kph_u9p7[1]	15616		
t_EOTEnterGainVspd_Kph_u9p7[2]	15744		
t_EOTEnterGainVspd_Kph_u9p7[3]	15872		
t_SpdIptTbIXTbI_HwDeg_u12p4[0]	48		
t_SpdIptTbIXTbI_HwDeg_u12p4[1]	400		
t_SpdIptTbIYTbI_MtrRadpS_u12p4[0]	336		
t_SpdIptTbIYTbI_MtrRadpS_u12p4[1]	720		
t_TrqTableX_HwNm_u8p8[0]	0		
t_TrqTableX_HwNm_u8p8[1]	1024		
t_TrqTbly_Uls_u2p14[0]	115		
t_TrqTbly_Uls_u2p14[1]	197		
target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value	-1342.02002		
target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value	0		
target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value	345.03299		
target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value	0		
target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value	1		
target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value	0.899999976		
target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value	-22.7549992		
target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value	7.4000001		
target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value	0.170000002		
target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value	0.913999975		
target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value	4.13999987		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32	target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls_f32	target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32	target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_lgc	target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Uls_f32	target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32	target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm_f32	target_EOTActuatorMng_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32	target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32	target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph_f32	target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	1.09452009	1.09451997 ± 0.0000390625	✔
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	111.353996	111.353996 ± 0.0000390625	✔
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	1393616621	1393616621 ± 1	✔
EOTActuatorMng_FiltHWTqSV_HwNm_M_s7p24	-109281904	-109281904 ± 1	✔
EOTActuatorMng_OutputRampMultLtd_M_f32	0.913999975	0.913999975 ± 0.00390625	✔
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.648925781	0.648925781 ± 0.0625	✔
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED	SES_DISABLED	✔
target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value	1.09452009	1.09451997 ± 0.00048828125	✔
target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value	0.648925781	0.648925781 ± 0.0000390625	✔
target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value	8.80000019	8.80000019 ± 0.00048828125	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	✓
EOTDetermination	1	EOTDetermination	1	✓
SES_DetLmtPos	1	SES_DetLmtPos	1	✓
SES_CalcExitGain	1	SES_CalcExitGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_CalcEnterGain	1	SES_CalcEnterGain	1	✓
BilinearXYM_u16_u16XM_u16YM_Cnt	1	BilinearXYM_u16_u16XM_u16YM_Cnt	1	✓
SES_CalcEOTGain	1	SES_CalcEOTGain	1	✓
SES_FiltEOTGain	1	SES_FiltEOTGain	1	✓
SES_CalcEOTDamp	1	SES_CalcEOTDamp	1	✓
BilinearXYM_u16_u16XM_u16YM_Cnt	1	BilinearXYM_u16_u16XM_u16YM_Cnt	1	✓
SES_StateCtrl	1	SES_StateCtrl	1	✓
Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	✓

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Test Step 2.13 (Repeat Count = 1)	
Name	Input Value
EOTActuatorMng_Damping_MtrNm_M_f32	1.39999998
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	234.850006
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	1181116006
EOTActuatorMng_FiltHWTqSV_HwNm_M_s7p24	109051904
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.649999976
EOTActuatorMng_SESSState_Uls_M_enum	SES_NORMAL
Rte_Inst_Ap_EOTActuatorMng	target_Rte_Inst_Ap_EOTActuatorMng
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.00899999961
k_EOTDefltPosition_HwDeg_u12p4	10656
k_EOTDeltaTrqThrsh_HwNm_u9p7	768
k_EOTDynConf_Uls_u8p8	0
k_EOTEnterLPFKn_Cnt_u16	222
k_EOTExitLPFKn_Cnt_u16	1000
k_EOTImpSpdEn_Kph_u9p7	6912
k_EOTOriginalImpactandSoftEnd_Cnt_lgc	0
k_EOTPosDepDmpFinalSlew_MtrNmpS_T_f32	56.7900009
k_EOTStateHwTrqLPFKn_Cnt_u16	900
k_MaxRackTrvl_HwDeg_u12p4	1056
k_MinRackTrvl_HwDeg_u12p4	7152
k_PosRampStep_HwDeg_u12p4	5840
k_SoftStopEOTEnable_Cnt_lgc	1
k_SpdIptScale_MtrNmpRadps_u4p12	85
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	0
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	80
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	160
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	320
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	672
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	2000
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	2016
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	2032
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1312
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	3920
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	3936
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	3952
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	1952
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	5840
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	5856
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	5872
t2_EOTEnterGainY_Uls_u1p15[0][0]	8
t2_EOTEnterGainY_Uls_u1p15[0][1]	9
t2_EOTEnterGainY_Uls_u1p15[0][2]	118
t2_EOTEnterGainY_Uls_u1p15[0][3]	1144
t2_EOTEnterGainY_Uls_u1p15[1][0]	9
t2_EOTEnterGainY_Uls_u1p15[1][1]	10
t2_EOTEnterGainY_Uls_u1p15[1][2]	147
t2_EOTEnterGainY_Uls_u1p15[1][3]	1429
t2_EOTEnterGainY_Uls_u1p15[2][0]	9
t2_EOTEnterGainY_Uls_u1p15[2][1]	9
t2_EOTEnterGainY_Uls_u1p15[2][2]	137
t2_EOTEnterGainY_Uls_u1p15[2][3]	1334
t2_EOTEnterGainY_Uls_u1p15[3][0]	10
t2_EOTEnterGainY_Uls_u1p15[3][1]	11
t2_EOTEnterGainY_Uls_u1p15[3][2]	196
t2_EOTEnterGainY_Uls_u1p15[3][3]	1904
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	183
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	259
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	259
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	366
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	259
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	366
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	213
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	302
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	832
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	1312
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	832
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1216
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	864
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	4208
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	352

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Name	Input Value		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	736		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]	26		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]	183		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]	319		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]	452		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]	243		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]	345		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]	549		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]	849		
t_EOTDmpVspd_Kph_u9p7[0]	5376		
t_EOTDmpVspd_Kph_u9p7[1]	16000		
t_EOTDmpVspd_Kph_u9p7[2]	16128		
t_EOTDmpVspd_Kph_u9p7[3]	16256		
t_EOTEnterGainVspd_Kph_u9p7[0]	5376		
t_EOTEnterGainVspd_Kph_u9p7[1]	16000		
t_EOTEnterGainVspd_Kph_u9p7[2]	16128		
t_EOTEnterGainVspd_Kph_u9p7[3]	16256		
t_SpdIptTbIXTbl_HwDeg_u12p4[0]	32		
t_SpdIptTbIXTbl_HwDeg_u12p4[1]	416		
t_SpdIptTbLYTbl_MtrRadpS_u12p4[0]	352		
t_SpdIptTbLYTbl_MtrRadpS_u12p4[1]	736		
t_TrqTableX_HwNm_u8p8[0]	1024		
t_TrqTableX_HwNm_u8p8[1]	2304		
t_TrqTblY_Uls_u2p14[0]	131		
t_TrqTblY_Uls_u2p14[1]	213		
target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value	-1000.03998		
target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value	1		
target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value	400.187012		
target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value	1		
target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value	0		
target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value	0.889999986		
target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value	200.149994		
target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value	-7.80000019		
target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value	0.219999999		
target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value	0.419999987		
target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value	5.1500001		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDamping	target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls	target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit_MtrI	target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f3	target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_lgc	target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Uls	target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_HwI	target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm_f	target_EOTActuatorMng_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadpS	target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_OutputRampMultLtd	target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph_	target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	1.28641999	1.28641999 ± 0.0000390625	✔
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	234.850006	234.850006 ± 0.0000390625	✔
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	1177369090	1177369090 ± 1	✔
EOTActuatorMng_FiltHWTqSV_HwNm_M_s7p24	105757904	105757904 ± 1	✔
EOTActuatorMng_OutputRampMultLtd_M_f32	0.419999987	0.419999987 ± 0.00390625	✔
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.548248291	0.548248291 ± 0.0625	✔
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL	SES_NORMAL	✔
target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value	1.28641999	1.28641999 ± 0.00048828125	✔
target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value	0.548248291	0.548248291 ± 0.0000390625	✔
target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value	8.80000019	8.80000019 ± 0.00048828125	✔

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## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	✓
EOTDetermination	1	EOTDetermination	1	✓
SES_DetLmtPos	1	SES_DetLmtPos	1	✓
SES_CalcExitGain	1	SES_CalcExitGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_CalcEnterGain	1	SES_CalcEnterGain	1	✓
BilinearXMYM_u16_u16XM_u16YM_Cnt	1	BilinearXMYM_u16_u16XM_u16YM_Cnt	1	✓
SES_CalcEOTGain	1	SES_CalcEOTGain	1	✓
SES_FiltEOTGain	1	SES_FiltEOTGain	1	✓
SES_CalcEOTDamp	1	SES_CalcEOTDamp	1	✓
BilinearXMYM_u16_u16XM_u16YM_Cnt	1	BilinearXMYM_u16_u16XM_u16YM_Cnt	1	✓
SES_StateCtrl	1	SES_StateCtrl	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	2	IntplVarXY_u16_u16Xu16Y_Cnt	2	✓
Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	✓

## Test Step 2.14 (Repeat Count = 1)

Name	Input Value
EOTActuatorMng_Damping_MtrNm_M_f32	1.60000002
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	355.609985
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	966367642
EOTActuatorMng_FiltHWTTrqSV_HwNm_M_s7p24	-92274688
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.540000021
EOTActuatorMng_SESSState_Uls_M_enum	SES_ENTERING
Rte_Inst_Ap_EOTActuatorMng	target_Rte_Inst_Ap_EOTActuatorMng
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.395999998
k_EOTDefltPosition_HwDeg_u12p4	12432
k_EOTDeltaTrqThresh_HwNm_u9p7	640
k_EOTDynConf_Uls_u8p8	35840
k_EOTEnterLPFKn_Cnt_u16	333
k_EOTExitLPFKn_Cnt_u16	6565
k_EOTImpSpdEn_Kph_u9p7	7040
k_EOTOriginalImpactandSoftEnd_Cnt_lgc	1
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32	60.8400002
k_EOTStateHwTrqLPFKn_Cnt_u16	800
k_MaxRackTrvl_HwDeg_u12p4	7616
k_MinRackTrvl_HwDeg_u12p4	10176
k_PosRampStep_HwDeg_u12p4	12384
k_SoftStopEOTEnable_Cnt_lgc	1
k_SpdIptScale_MtrNmpRadps_u4p12	85
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	160
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	352
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	480
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	704
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	688
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	2048
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	2064
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	2080
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1328
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	3968
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	3984
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	4000
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	1968
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	5888
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	5904
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	5920
t2_EOTEnterGainY_Uls_u1p15[0][0]	8
t2_EOTEnterGainY_Uls_u1p15[0][1]	9
t2_EOTEnterGainY_Uls_u1p15[0][2]	127
t2_EOTEnterGainY_Uls_u1p15[0][3]	1239
t2_EOTEnterGainY_Uls_u1p15[1][0]	9
t2_EOTEnterGainY_Uls_u1p15[1][1]	10
t2_EOTEnterGainY_Uls_u1p15[1][2]	157
t2_EOTEnterGainY_Uls_u1p15[1][3]	1524
t2_EOTEnterGainY_Uls_u1p15[2][0]	9
t2_EOTEnterGainY_Uls_u1p15[2][1]	10
t2_EOTEnterGainY_Uls_u1p15[2][2]	147
t2_EOTEnterGainY_Uls_u1p15[2][3]	1429
t2_EOTEnterGainY_Uls_u1p15[3][0]	11

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Name	Input Value		
t2_EOTEnterGainY_Uls_u1p15[3][1]	11		
t2_EOTEnterGainY_Uls_u1p15[3][2]	206		
t2_EOTEnterGainY_Uls_u1p15[3][3]	1999		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	198		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	280		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	274		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	388		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	274		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	388		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	228		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	323		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	864		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	1328		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	848		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1232		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	896		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	4224		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	368		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	752		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]	28		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]	198		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]	334		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]	474		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]	259		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]	366		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]	86		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]	571		
t_EOTDmpVspd_Kph_u9p7[0]	5504		
t_EOTDmpVspd_Kph_u9p7[1]	16384		
t_EOTDmpVspd_Kph_u9p7[2]	16512		
t_EOTDmpVspd_Kph_u9p7[3]	16640		
t_EOTEnterGainVspd_Kph_u9p7[0]	5504		
t_EOTEnterGainVspd_Kph_u9p7[1]	16384		
t_EOTEnterGainVspd_Kph_u9p7[2]	16512		
t_EOTEnterGainVspd_Kph_u9p7[3]	16640		
t_SpdIptTblXTbl_HwDeg_u12p4[0]	16		
t_SpdIptTblXTbl_HwDeg_u12p4[1]	432		
t_SpdIptTblYTbl_MtrRadpS_u12p4[0]	368		
t_SpdIptTblYTbl_MtrRadpS_u12p4[1]	752		
t_TrqTableX_HwNm_u8p8[0]	1536		
t_TrqTableX_HwNm_u8p8[1]	2048		
t_TrqTblY_Uls_u2p14[0]	147		
t_TrqTblY_Uls_u2p14[1]	229		
target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value	-1100.01001		
target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value	0		
target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value	445.941986		
target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value	0		
target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value	1		
target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value	0.699999988		
target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value	-100.889999		
target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value	8.89999962		
target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value	-0.239999995		
target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value	0.129999995		
target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value	6.15999985		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32	target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls_f32	target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32	target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_lgc	target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Uls_f32	target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32	target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm_f32	target_EOTActuatorMng_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32	target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32	target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph_f32	target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	1.47832	1.47832 ± 0.0000390625	✓
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	355.609985	355.609985 ± 0.0000390625	✓
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	961870144	961870144 ± 1	✓
EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24	-92970688	-92970688 ± 1	✓

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Name	Actual Value	Expected Value	Result
EOTActuatorMng_OutputRampMultLtd_M_f32	0.129999995	0.129999995 ± 0.00390625	✓
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.447875977	0.447875977 ± 0.0625	✓
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED	SES_DISABLED	✓
target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value	1.47832	1.47832 ± 0.00048828125	✓
target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value	0.447875977	0.447875977 ± 0.0000390625	✓
target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value	8.80000019	8.80000019 ± 0.00048828125	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	✓
EOTDetermination	1	EOTDetermination	1	✓
SES_DetLmtPos	1	SES_DetLmtPos	1	✓
SES_CalcExitGain	1	SES_CalcExitGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_CalcEnterGain	1	SES_CalcEnterGain	1	✓
BilinearXMYM_u16_u16XM_u16YM_Cnt	1	BilinearXMYM_u16_u16XM_u16YM_Cnt	1	✓
SES_CalcEOTGain	1	SES_CalcEOTGain	1	✓
SES_FiltEOTGain	1	SES_FiltEOTGain	1	✓
SES_CalcEOTDamp	1	SES_CalcEOTDamp	1	✓
BilinearXMYM_u16_u16XM_u16YM_Cnt	1	BilinearXMYM_u16_u16XM_u16YM_Cnt	1	✓
SES_StateCtrl	1	SES_StateCtrl	1	✓
Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	✓

Test Step 2.15 (Repeat Count = 1)	
Name	Input Value
EOTActuatorMng_Damping_MtrNm_M_f32	1.799999995
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	976.640015
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	751619277
EOTActuatorMng_FiltHwTrqSV_HwNm_M_s7p24	92274688
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.319999993
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL
Rte_Inst_Ap_EOTActuatorMng	target_Rte_Inst_Ap_EOTActuatorMng
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.331
k_EOTDefltPosition_HwDeg_u12p4	12928
k_EOTDeltaTrqThresh_HwNm_u9p7	512
k_EOTDynConf_Uls_u8p8	38400
k_EOTEnterLPFKn_Cnt_u16	444
k_EOTExitLPFKn_Cnt_u16	4533
k_EOTImpSpdEn_Kph_u9p7	7168
k_EOTOriginalImpactandSoftEnd_Cnt_lgc	0
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32	64.8899994
k_EOTStateHwTrqLPFKn_Cnt_u16	700
k_MaxRackTrvl_HwDeg_u12p4	19552
k_MinRackTrvl_HwDeg_u12p4	880
k_PosRampStep_HwDeg_u12p4	10288
k_SoftStopEOTEnable_Cnt_lgc	0
k_SpdIptScale_MtrNmpRadpS_u4p12	86
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	800
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	960
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	1120
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	1280
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	704
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	2096
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	2112
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	2128
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1344
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	4016
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	4032
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	4048
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	1984
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	5936
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	5952
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	5968
t2_EOTEnterGainY_Uls_u1p15[0][0]	9
t2_EOTEnterGainY_Uls_u1p15[0][1]	9
t2_EOTEnterGainY_Uls_u1p15[0][2]	137
t2_EOTEnterGainY_Uls_u1p15[0][3]	1334
t2_EOTEnterGainY_Uls_u1p15[1][0]	10
t2_EOTEnterGainY_Uls_u1p15[1][1]	10
t2_EOTEnterGainY_Uls_u1p15[1][2]	167



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Name	Input Value
t2_EOTEnterGainY_Uls_u1p15[1][3]	1619
t2_EOTEnterGainY_Uls_u1p15[2][0]	9
t2_EOTEnterGainY_Uls_u1p15[2][1]	10
t2_EOTEnterGainY_Uls_u1p15[2][2]	157
t2_EOTEnterGainY_Uls_u1p15[2][3]	1524
t2_EOTEnterGainY_Uls_u1p15[3][0]	11
t2_EOTEnterGainY_Uls_u1p15[3][1]	12
t2_EOTEnterGainY_Uls_u1p15[3][2]	216
t2_EOTEnterGainY_Uls_u1p15[3][3]	2094
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	213
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	302
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	289
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	409
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	289
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	409
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	243
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	345
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	896
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	1344
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	864
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1248
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	928
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	4240
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	384
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	768
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	30
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	213
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	349
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	495
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	274
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	388
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	88
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	592
t_EOTDmpVspd_Kph_u9p7[0]	5632
t_EOTDmpVspd_Kph_u9p7[1]	16768
t_EOTDmpVspd_Kph_u9p7[2]	16896
t_EOTDmpVspd_Kph_u9p7[3]	17024
t_EOTEnterGainVspd_Kph_u9p7[0]	5632
t_EOTEnterGainVspd_Kph_u9p7[1]	16768
t_EOTEnterGainVspd_Kph_u9p7[2]	16896
t_EOTEnterGainVspd_Kph_u9p7[3]	17024
t_SpdIptTblXTbl_HwDeg_u12p4[0]	0
t_SpdIptTblXTbl_HwDeg_u12p4[1]	448
t_SpdIptTblYTbl_MtrRadps_u12p4[0]	384
t_SpdIptTblYTbl_MtrRadps_u12p4[1]	768
t_TrqTableX_HwNm_u8p8[0]	1280
t_TrqTableX_HwNm_u8p8[1]	1792
t_TrqTblY_Uls_u2p14[0]	246
t_TrqTblY_Uls_u2p14[1]	262
target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value	-1100.04004
target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value	1
target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value	500.375
target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value	1
target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value	0
target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value	0.899999976
target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value	100.480003
target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value	-8.01000023
target_EOTActuatorMng_Per1_MotorVel_MtrRadps_f32.value	0.259999999
target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value	0.214000002
target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value	7.17000008
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDamping	target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls	target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit_Mtrf	target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f3	target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CwFound_Cnt_lgc
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_lgc	target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Uls	target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_Hw	target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm_f	target_EOTActuatorMng_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadps	target_EOTActuatorMng_Per1_MotorVel_MtrRadps_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_OutputRampMultLtd	target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32



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Name	Input Value		
target_Rte_Inst_Ap_EOTActuatorMng_EOTActuatorMng_Per1_VehicleSpeed_Kph_	target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	1.6702199	1.67022002 ± 0.0000390625	✓
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	808	808 ± 0.0000390625	✓
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	747119781	747119781 ± 1	✓
EOTActuatorMng_FiltHWTqSV_HwNm_M_s7p24	89854088	89854088 ± 1	✓
EOTActuatorMng_OutputRampMultLtd_M_f32	0.214000002	0.214000002 ± 0.00390625	✓
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.347900391	0.347900391 ± 0.0625	✓
EOTActuatorMng_SESSState_Uls_M_enum	SES_DISABLED	SES_DISABLED	✓
target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value	1.6702199	1.67022002 ± 0.00048828125	✓
target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value	0.347900391	0.347900391 ± 0.0000390625	✓
target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value	1.00235355	1.00235355 ± 0.00048828125	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	✓
EOTDetermination	1	EOTDetermination	1	✓
EOTOrigImpact	1	EOTOrigImpact	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_DetLmtPos	1	SES_DetLmtPos	1	✓
SES_CalcExitGain	1	SES_CalcExitGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_CalcEnterGain	1	SES_CalcEnterGain	1	✓
BilinearXMYM_u16_u16XM_u16YM_Cnt	1	BilinearXMYM_u16_u16XM_u16YM_Cnt	1	✓
SES_CalcEOTGain	1	SES_CalcEOTGain	1	✓
SES_FiltEOTGain	1	SES_FiltEOTGain	1	✓
SES_CalcEOTDamp	1	SES_CalcEOTDamp	1	✓
BilinearXMYM_u16_u16XM_u16YM_Cnt	1	BilinearXMYM_u16_u16XM_u16YM_Cnt	1	✓
SES_StateCtrl	1	SES_StateCtrl	1	✓
Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	✓

Test Step 2.16 (Repeat Count = 1)	
Name	Input Value
EOTActuatorMng_Damping_MtrNm_M_f32	2
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	553.525024
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	536870912
EOTActuatorMng_FiltHWTqSV_HwNm_M_s7p24	-75497472
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.430000007
EOTActuatorMng_SESSState_Uls_M_enum	SES_ENTERING
Rte_Inst_Ap_EOTActuatorMng	target_Rte_Inst_Ap_EOTActuatorMng
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.0540000014
k_EOTDefltPosition_HwDeg_u12p4	4240
k_EOTDeltaTrqThrsh_HwNm_u9p7	384
k_EOTDynConf_Uls_u8p8	0
k_EOTEnterLPFKn_Cnt_u16	555
k_EOTExitLPFKn_Cnt_u16	6443
k_EOTImpSpdEn_Kph_u9p7	7296
k_EOTOriginalImpactandSoftEnd_Cnt_lgc	1
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32	68.9400024
k_EOTStateHwTrqLPFKn_Cnt_u16	600
k_MaxRackTrvl_HwDeg_u12p4	256
k_MinRackTrvl_HwDeg_u12p4	13696
k_PosRampStep_HwDeg_u12p4	13024
k_SoftStopEOTEnable_Cnt_lgc	1
k_SpdIptScale_MtrNmpRadps_u4p12	86
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	1440
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	1616
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	1760
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	2000
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	720
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	2144
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	2160
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	2176
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1360
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	4064
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	4080
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	4096
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	2000
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	5984
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	6000

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Name	Input Value
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	6016
t2_EOTEnterGainY_Uls_u1p15[0][0]	9
t2_EOTEnterGainY_Uls_u1p15[0][1]	10
t2_EOTEnterGainY_Uls_u1p15[0][2]	147
t2_EOTEnterGainY_Uls_u1p15[0][3]	1429
t2_EOTEnterGainY_Uls_u1p15[1][0]	10
t2_EOTEnterGainY_Uls_u1p15[1][1]	10
t2_EOTEnterGainY_Uls_u1p15[1][2]	176
t2_EOTEnterGainY_Uls_u1p15[1][3]	1714
t2_EOTEnterGainY_Uls_u1p15[2][0]	10
t2_EOTEnterGainY_Uls_u1p15[2][1]	10
t2_EOTEnterGainY_Uls_u1p15[2][2]	167
t2_EOTEnterGainY_Uls_u1p15[2][3]	1619
t2_EOTEnterGainY_Uls_u1p15[3][0]	11
t2_EOTEnterGainY_Uls_u1p15[3][1]	12
t2_EOTEnterGainY_Uls_u1p15[3][2]	225
t2_EOTEnterGainY_Uls_u1p15[3][3]	2189
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	228
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	323
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	304
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	431
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	304
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	431
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	259
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	366
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	928
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	1360
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	880
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1264
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	800
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	4256
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	400
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	784
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]	32
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]	228
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]	365
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]	517
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]	289
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]	409
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]	614
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]	894
t_EOTDmpVspd_Kph_u9p7[0]	5760
t_EOTDmpVspd_Kph_u9p7[1]	17152
t_EOTDmpVspd_Kph_u9p7[2]	17280
t_EOTDmpVspd_Kph_u9p7[3]	17408
t_EOTEnterGainVspd_Kph_u9p7[0]	5760
t_EOTEnterGainVspd_Kph_u9p7[1]	17152
t_EOTEnterGainVspd_Kph_u9p7[2]	17280
t_EOTEnterGainVspd_Kph_u9p7[3]	17408
t_SpdIptTblXTbl_HwDeg_u12p4[0]	320
t_SpdIptTblXTbl_HwDeg_u12p4[1]	464
t_SpdIptTblYTbl_MtrRadpS_u12p4[0]	400
t_SpdIptTblYTbl_MtrRadpS_u12p4[1]	784
t_TrqTableX_HwNm_u8p8[0]	256
t_TrqTableX_HwNm_u8p8[1]	1536
t_TrqTblY_Uls_u2p14[0]	180
t_TrqTblY_Uls_u2p14[1]	262
target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value	-1234.78003
target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value	1
target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value	555.640991
target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value	1
target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value	0
target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value	0.910000026
target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value	-1440.10999
target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value	9.02000046
target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value	0.280000001
target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value	0.354000002
target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value	8.18000031
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDamping	target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls	target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit_MtrNm	target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc

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Name	Input Value		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_lgc	target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Uls	target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_Hwl	target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm_f	target_EOTActuatorMng_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadpS	target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_OutputRampMultLtd	target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph	target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	1.86212003	1.86212003 ± 0.0000390625	✔
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	265	265 ± 0.0000390625	✔
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	532329347	532329347 ± 1	✔
EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24	-76191672	-76191672 ± 1	✔
EOTActuatorMng_OutputRampMultLtd_M_f32	0.354000002	0.354000002 ± 0.00390625	✔
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.24786377	0.24786377 ± 0.0625	✔
EOTActuatorMng_SESSState_Uls_M_enum	SES_EXITING	SES_EXITING	✔
target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value	1.86212003	1.86212003 ± 0.00048828125	✔
target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value	0.24786377	0.24786377 ± 0.0000390625	✔
target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value	0.519023418	0.519023418 ± 0.00048828125	✔

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	✓
EOTDetermination	1	EOTDetermination	1	✓
EOTOrigImpact	1	EOTOrigImpact	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_DetLmtPos	1	SES_DetLmtPos	1	✓
SES_CalcExitGain	1	SES_CalcExitGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_CalcEnterGain	1	SES_CalcEnterGain	1	✓
BilinearXMYM_u16_u16XM_u16YM_Cnt	1	BilinearXMYM_u16_u16XM_u16YM_Cnt	1	✓
SES_CalcEOTGain	1	SES_CalcEOTGain	1	✓
SES_FiltEOTGain	1	SES_FiltEOTGain	1	✓
SES_CalcEOTDamp	1	SES_CalcEOTDamp	1	✓
BilinearXMYM_u16_u16XM_u16YM_Cnt	1	BilinearXMYM_u16_u16XM_u16YM_Cnt	1	✓
SES_StateCtrl	1	SES_StateCtrl	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	2	IntplVarXY_u16_u16Xu16Y_Cnt	2	✓
Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	✓

## Test Step 2.17 (Repeat Count = 1)

Name	Input Value
EOTActuatorMng_Damping_MtrNm_M_f32	2.20000005
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	956.210022
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	322122547
EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24	75497472
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.209999993
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL
Rte_Inst_Ap_EOTActuatorMng	target_Rte_Inst_Ap_EOTActuatorMng
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.388999999
k_EOTDefltPosition_HwDeg_u12p4	1968
k_EOTDeltaTrqThrsh_HwNm_u9p7	256
k_EOTDynConf_Uls_u8p8	43520
k_EOTEnterLPFKn_Cnt_u16	666
k_EOTExitLPFKn_Cnt_u16	3476
k_EOTImpSpdEn_Kph_u9p7	7424
k_EOTOriginalImpactandSoftEnd_Cnt_lgc	0
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32	72.9899979
k_EOTStateHwTrqLPFKn_Cnt_u16	500
k_MaxRackTrvl_HwDeg_u12p4	2128
k_MinRackTrvl_HwDeg_u12p4	8544
k_PosRampStep_HwDeg_u12p4	5856
k_SoftStopEOTEnable_Cnt_lgc	0
k_SpdIptScale_MtrNmpRadps_u4p12	86
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	0
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	80
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	160
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	320
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	736
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	2192

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Name	Input Value
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	2208
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	2224
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1376
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	4112
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	4128
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	4144
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	2016
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	6032
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	6048
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	6064
t2_EOTEnterGainY_Uls_u1p15[0][0]	9
t2_EOTEnterGainY_Uls_u1p15[0][1]	10
t2_EOTEnterGainY_Uls_u1p15[0][2]	157
t2_EOTEnterGainY_Uls_u1p15[0][3]	1524
t2_EOTEnterGainY_Uls_u1p15[1][0]	10
t2_EOTEnterGainY_Uls_u1p15[1][1]	11
t2_EOTEnterGainY_Uls_u1p15[1][2]	186
t2_EOTEnterGainY_Uls_u1p15[1][3]	1809
t2_EOTEnterGainY_Uls_u1p15[2][0]	10
t2_EOTEnterGainY_Uls_u1p15[2][1]	10
t2_EOTEnterGainY_Uls_u1p15[2][2]	176
t2_EOTEnterGainY_Uls_u1p15[2][3]	1714
t2_EOTEnterGainY_Uls_u1p15[3][0]	12
t2_EOTEnterGainY_Uls_u1p15[3][1]	12
t2_EOTEnterGainY_Uls_u1p15[3][2]	235
t2_EOTEnterGainY_Uls_u1p15[3][3]	2284
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	243
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	345
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	319
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	452
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	319
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	452
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	274
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	388
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	960
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	1376
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	896
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1280
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	832
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	4272
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	416
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	800
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]	345
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]	923
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]	380
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]	538
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]	304
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]	431
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]	91
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]	635
t_EOTDmpVspd_Kph_u9p7[0]	5888
t_EOTDmpVspd_Kph_u9p7[1]	17536
t_EOTDmpVspd_Kph_u9p7[2]	17664
t_EOTDmpVspd_Kph_u9p7[3]	17792
t_EOTEnterGainVspd_Kph_u9p7[0]	5888
t_EOTEnterGainVspd_Kph_u9p7[1]	17536
t_EOTEnterGainVspd_Kph_u9p7[2]	17664
t_EOTEnterGainVspd_Kph_u9p7[3]	17792
t_SpdIptTblXTbl_HwDeg_u12p4[0]	336
t_SpdIptTblXTbl_HwDeg_u12p4[1]	480
t_SpdIptTblYTbl_MtrRadpS_u12p4[0]	416
t_SpdIptTblYTbl_MtrRadpS_u12p4[1]	800
t_TrqTableX_HwNm_u8p8[0]	256
t_TrqTableX_HwNm_u8p8[1]	1280
t_TrqTblY_Uls_u2p14[0]	197
t_TrqTblY_Uls_u2p14[1]	279
target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value	-1200.45996
target_EOTActuatorMng_Per1_CcwFound_Cnt_Igc.value	1
target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value	600.273987
target_EOTActuatorMng_Per1_CwFound_Cnt_Igc.value	0
target_EOTActuatorMng_Per1_EOTDisable_Cnt_Igc.value	0
target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value	0.400000006
target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value	1440.10999

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Name	Input Value
target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value	-9.02999973
target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value	-0.310000002
target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value	0.739000022
target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value	9.18999958
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDamping	target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls	target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit_MtrNm	target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_Cnt_Igc	target_EOTActuatorMng_Per1_CcwFound_Cnt_Igc
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_Igc	target_EOTActuatorMng_Per1_CwFound_Cnt_Igc
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_Igc	target_EOTActuatorMng_Per1_EOTDisable_Cnt_Igc
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Uls	target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_HwNm	target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm_f32	target_EOTActuatorMng_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32	target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_OutputRampMultLtd_Uls	target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph_f32	target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32

Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	2.05401993	2.05401993 ± 0.0000390625	✔
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	123	123 ± 0.0000390625	✔
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	318855151	318855151 ± 1	✔
EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24	73765972	73765972 ± 1	✔
EOTActuatorMng_OutputRampMultLtd_M_f32	0.739000022	0.739000022 ± 0.00390625	✔
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.148468018	0.148468018 ± 0.0625	✔
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED	SES_DISABLED	✔
target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value	2.05401993	2.05401993 ± 0.00048828125	✔
target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value	0.148468018	0.148468018 ± 0.0000390625	✔
target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value	0.53938967	0.53938967 ± 0.00048828125	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	✓
EOTDetermination	1	EOTDetermination	1	✓
EOTOrigImpact	1	EOTOrigImpact	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_DetLmtPos	1	SES_DetLmtPos	1	✓
SES_CalcExitGain	1	SES_CalcExitGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_CalcEnterGain	1	SES_CalcEnterGain	1	✓
BilinearXMYM_u16_u16XM_u16YM_Cnt	1	BilinearXMYM_u16_u16XM_u16YM_Cnt	1	✓
SES_CalcEOTGain	1	SES_CalcEOTGain	1	✓
SES_FiltEOTGain	1	SES_FiltEOTGain	1	✓
SES_CalcEOTDamp	1	SES_CalcEOTDamp	1	✓
BilinearXMYM_u16_u16XM_u16YM_Cnt	1	BilinearXMYM_u16_u16XM_u16YM_Cnt	1	✓
SES_StateCtrl	1	SES_StateCtrl	1	✓
Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	✓

Test Step 2.18 (Repeat Count = 1)	
Name	Input Value
EOTActuatorMng_Damping_MtrNm_M_f32	2.4000001
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	684.320007
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	1911260447
EOTActuatorMng_FiltHwTrqSV_HwNm_M_s7p24	-58720256
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.99000001
EOTActuatorMng_SESState_Uls_M_enum	SES_ENTERING
Rte_Inst_Ap_EOTActuatorMng	target_Rte_Inst_Ap_EOTActuatorMng
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.995000005
k_EOTDefltPosition_HwDeg_u12p4	3744
k_EOTDeltaTrqThrsh_HwNm_u9p7	128
k_EOTDynConf_Uls_u8p8	46080
k_EOTEnterLPFKn_Cnt_u16	777
k_EOTExitLPFKn_Cnt_u16	8456
k_EOTImpSpdEn_Kph_u9p7	7552
k_EOTOriginalImpactandSoftEnd_Cnt_Igc	1
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32	77.0400009
k_EOTStateHwTrqLPFKn_Cnt_u16	400
k_MaxRackTrvl_HwDeg_u12p4	2144
k_MinRackTrvl_HwDeg_u12p4	10128
k_PosRampStep_HwDeg_u12p4	10464

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Name	Input Value
k_SoftStopEOTEnable_Cnt_lgc	1
k_SpdIptScale_MtrNmpRadpS_u4p12	87
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	192
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	352
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	480
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	672
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	752
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	2240
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	2256
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	2272
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1392
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	4160
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	4176
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	4192
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	2032
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	6080
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	6096
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	6112
t2_EOTEnterGainY_Uls_u1p15[0][0]	10
t2_EOTEnterGainY_Uls_u1p15[0][1]	10
t2_EOTEnterGainY_Uls_u1p15[0][2]	167
t2_EOTEnterGainY_Uls_u1p15[0][3]	1619
t2_EOTEnterGainY_Uls_u1p15[1][0]	10
t2_EOTEnterGainY_Uls_u1p15[1][1]	11
t2_EOTEnterGainY_Uls_u1p15[1][2]	196
t2_EOTEnterGainY_Uls_u1p15[1][3]	1904
t2_EOTEnterGainY_Uls_u1p15[2][0]	10
t2_EOTEnterGainY_Uls_u1p15[2][1]	11
t2_EOTEnterGainY_Uls_u1p15[2][2]	186
t2_EOTEnterGainY_Uls_u1p15[2][3]	1809
t2_EOTEnterGainY_Uls_u1p15[3][0]	12
t2_EOTEnterGainY_Uls_u1p15[3][1]	13
t2_EOTEnterGainY_Uls_u1p15[3][2]	245
t2_EOTEnterGainY_Uls_u1p15[3][3]	2379
t2_EOTExPosDepDmpTbly_MtrNmpRadps_u0p16[0][0]	259
t2_EOTExPosDepDmpTbly_MtrNmpRadps_u0p16[0][1]	366
t2_EOTExPosDepDmpTbly_MtrNmpRadps_u0p16[1][0]	334
t2_EOTExPosDepDmpTbly_MtrNmpRadps_u0p16[1][1]	474
t2_EOTExPosDepDmpTbly_MtrNmpRadps_u0p16[2][0]	334
t2_EOTExPosDepDmpTbly_MtrNmpRadps_u0p16[2][1]	474
t2_EOTExPosDepDmpTbly_MtrNmpRadps_u0p16[3][0]	289
t2_EOTExPosDepDmpTbly_MtrNmpRadps_u0p16[3][1]	409
t2_EOTPosDepDmpTblyX_HwDeg_u12p4[0][0]	992
t2_EOTPosDepDmpTblyX_HwDeg_u12p4[0][1]	1392
t2_EOTPosDepDmpTblyX_HwDeg_u12p4[1][0]	912
t2_EOTPosDepDmpTblyX_HwDeg_u12p4[1][1]	1296
t2_EOTPosDepDmpTblyX_HwDeg_u12p4[2][0]	864
t2_EOTPosDepDmpTblyX_HwDeg_u12p4[2][1]	4288
t2_EOTPosDepDmpTblyX_HwDeg_u12p4[3][0]	432
t2_EOTPosDepDmpTblyX_HwDeg_u12p4[3][1]	816
t2_EOTPosDepDmpTbly_MtrNmpRadpS_u0p16[0][0]	37
t2_EOTPosDepDmpTbly_MtrNmpRadpS_u0p16[0][1]	259
t2_EOTPosDepDmpTbly_MtrNmpRadpS_u0p16[1][0]	395
t2_EOTPosDepDmpTbly_MtrNmpRadpS_u0p16[1][1]	560
t2_EOTPosDepDmpTbly_MtrNmpRadpS_u0p16[2][0]	319
t2_EOTPosDepDmpTbly_MtrNmpRadpS_u0p16[2][1]	452
t2_EOTPosDepDmpTbly_MtrNmpRadpS_u0p16[3][0]	1
t2_EOTPosDepDmpTbly_MtrNmpRadpS_u0p16[3][1]	1
t_EOTDmpVspd_Kph_u9p7[0]	6016
t_EOTDmpVspd_Kph_u9p7[1]	17920
t_EOTDmpVspd_Kph_u9p7[2]	18048
t_EOTDmpVspd_Kph_u9p7[3]	18176
t_EOTEnterGainVspd_Kph_u9p7[0]	6016
t_EOTEnterGainVspd_Kph_u9p7[1]	17920
t_EOTEnterGainVspd_Kph_u9p7[2]	18048
t_EOTEnterGainVspd_Kph_u9p7[3]	18176
t_SpdIptTblyXTbly_HwDeg_u12p4[0]	352
t_SpdIptTblyXTbly_HwDeg_u12p4[1]	496
t_SpdIptTblyYTbly_MtrRadpS_u12p4[0]	432
t_SpdIptTblyYTbly_MtrRadpS_u12p4[1]	816
t_TrqTableX_HwNm_u8p8[0]	768
t_TrqTableX_HwNm_u8p8[1]	1024
t_TrqTbly_Uls_u2p14[0]	213

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EOTActuatorMng\_Per1

Name	Input Value		
t_TrqTbly_Uls_u2p14[1]	295		
target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value	-1300.41003		
target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value	0		
target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value	666.15802		
target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value	1		
target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value	1		
target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value	0.920000017		
target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value	0		
target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value	1.5		
target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value	0.340000004		
target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value	0.596000016		
target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value	10.0100002		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32	target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls_f32	target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32	target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_lgc	target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Uls_f32	target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32	target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm_f32	target_EOTActuatorMng_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32	target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32	target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph_f32	target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	2.24592018	2.24591994 ± 0.0000390625	✔
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	684.320007	684.320007 ± 0.0000390625	✔
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	1889858759	1889858759 ± 1	✔
EOTActuatorMng_FiltHwTrqSV_HwNm_M_s7p24	-58208256	-58208256 ± 1	✔
EOTActuatorMng_OutputRampMultLtd_M_f32	0.596000016	0.596000016 ± 0.00390625	✔
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.880004883	0.880004883 ± 0.0625	✔
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED	SES_DISABLED	✔
target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value	2.24592018	2.24591994 ± 0.00048828125	✔
target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value	0.880004883	0.880004883 ± 0.0000390625	✔
target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value	8.80000019	8.80000019 ± 0.00048828125	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	✓
EOTDetermination	1	EOTDetermination	1	✓
SES_DetLmtPos	1	SES_DetLmtPos	1	✓
SES_CalcExitGain	1	SES_CalcExitGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_CalcEnterGain	1	SES_CalcEnterGain	1	✓
BilinearXMYM_u16_u16XM_u16YM_Cnt	1	BilinearXMYM_u16_u16XM_u16YM_Cnt	1	✓
SES_CalcEOTGain	1	SES_CalcEOTGain	1	✓
SES_FiltEOTGain	1	SES_FiltEOTGain	1	✓
SES_CalcEOTDamp	1	SES_CalcEOTDamp	1	✓
BilinearXMYM_u16_u16XM_u16YM_Cnt	1	BilinearXMYM_u16_u16XM_u16YM_Cnt	1	✓
SES_StateCtrl	1	SES_StateCtrl	1	✓
Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	✓

Test Step 2.19 (Repeat Count = 1)	
Name	Input Value
EOTActuatorMng_Damping_MtrNm_M_f32	2.5999999
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	534.450012
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	1675037245
EOTActuatorMng_FiltHwTrqSV_HwNm_M_s7p24	58720256
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.879999995
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL
Rte_Inst_Ap_EOTActuatorMng	target_Rte_Inst_Ap_EOTActuatorMng
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.209999993
k_EOTDefltPosition_HwDeg_u12p4	5520
k_EOTDeltaTrqThrsh_HwNm_u9p7	1152
k_EOTDynConf_Uls_u8p8	48640
k_EOTEnterLPFKn_Cnt_u16	888
k_EOTExitLPFKn_Cnt_u16	464
k_EOTImpSpdEn_Kph_u9p7	7680



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Name	Input Value
k_EOTOriginalImpactandSoftEnd_Cnt_lgc	0
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32	81.0899963
k_EOTStateHwTrqLPFKn_Cnt_u16	1234
k_MaxRackTrvl_HwDeg_u12p4	2160
k_MinRackTrvl_HwDeg_u12p4	14240
k_PosRampStep_HwDeg_u12p4	3424
k_SoftStopEOTEnable_Cnt_lgc	0
k_SpdIptScale_MtrNmpRadpS_u4p12	87
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	832
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	1008
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	1184
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	1360
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	768
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	2288
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	2304
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	2320
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1408
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	4208
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	4224
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	4240
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	2048
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	6128
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	6144
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	6160
t2_EOTEnterGainY_Uls_u1p15[0][0]	10
t2_EOTEnterGainY_Uls_u1p15[0][1]	10
t2_EOTEnterGainY_Uls_u1p15[0][2]	176
t2_EOTEnterGainY_Uls_u1p15[0][3]	1714
t2_EOTEnterGainY_Uls_u1p15[1][0]	11
t2_EOTEnterGainY_Uls_u1p15[1][1]	11
t2_EOTEnterGainY_Uls_u1p15[1][2]	206
t2_EOTEnterGainY_Uls_u1p15[1][3]	1999
t2_EOTEnterGainY_Uls_u1p15[2][0]	10
t2_EOTEnterGainY_Uls_u1p15[2][1]	11
t2_EOTEnterGainY_Uls_u1p15[2][2]	196
t2_EOTEnterGainY_Uls_u1p15[2][3]	1904
t2_EOTEnterGainY_Uls_u1p15[3][0]	12
t2_EOTEnterGainY_Uls_u1p15[3][1]	13
t2_EOTEnterGainY_Uls_u1p15[3][2]	255
t2_EOTEnterGainY_Uls_u1p15[3][3]	2474
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	274
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	388
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	349
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	495
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	349
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	495
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	304
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	431
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	1024
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	1408
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	928
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1312
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	896
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	4304
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	448
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	832
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]	39
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]	274
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]	410
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]	581
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]	334
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]	474
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]	16
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]	22
t_EOTDmpVspd_Kph_u9p7[0]	6144
t_EOTDmpVspd_Kph_u9p7[1]	18304
t_EOTDmpVspd_Kph_u9p7[2]	18432
t_EOTDmpVspd_Kph_u9p7[3]	18560
t_EOTEnterGainVspd_Kph_u9p7[0]	6144
t_EOTEnterGainVspd_Kph_u9p7[1]	18304
t_EOTEnterGainVspd_Kph_u9p7[2]	18432
t_EOTEnterGainVspd_Kph_u9p7[3]	18560
t_SpdIptTblXTbl_HwDeg_u12p4[0]	368



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Name	Input Value		
t_SpdIptTbIXTbI_HwDeg_u12p4[1]	512		
t_SpdIptTbIYTbI_MtrRadpS_u12p4[0]	448		
t_SpdIptTbIYTbI_MtrRadpS_u12p4[1]	832		
t_TrqTableX_HwNm_u8p8[0]	0		
t_TrqTableX_HwNm_u8p8[1]	768		
t_TrqTbIY_Uls_u2p14[0]	229		
t_TrqTbIY_Uls_u2p14[1]	311		
target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value	-1322.64001		
target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value	1		
target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value	700.460999		
target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value	0		
target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value	0		
target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value	0.200000003		
target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value	-400.100006		
target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value	-1.5		
target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value	0.360000014		
target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value	0.308999985		
target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value	21.2099991		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32	target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls_f32	target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32	target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_lgc	target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Uls_f32	target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32	target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm_f32	target_EOTActuatorMng_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32	target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32	target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph_f32	target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	2.43781996	2.43781996 ± 0.0000390625	✔
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	345	345 ± 0.0000390625	✔
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	1653862885	1653862885 ± 1	✔
EOTActuatorMng_FiltHWTqSV_HwNm_M_s7p24	58088448	58088448 ± 1	✔
EOTActuatorMng_OutputRampMultLtd_M_f32	0.308999985	0.308999985 ± 0.00390625	✔
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.770111084	0.770111084 ± 0.0625	✔
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED	SES_DISABLED	✔
target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value	2.43781996	2.43781996 ± 0.00048828125	✔
target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value	0.770111084	0.770111084 ± 0.0000390625	✔
target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value	0.587080061	0.587080061 ± 0.00048828125	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	✓
EOTDetermination	1	EOTDetermination	1	✓
EOTOrigImpact	1	EOTOrigImpact	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_DetLmtPos	1	SES_DetLmtPos	1	✓
SES_CalcExitGain	1	SES_CalcExitGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_CalcEnterGain	1	SES_CalcEnterGain	1	✓
BilinearXMYM_u16_u16XMu16YM_Cnt	1	BilinearXMYM_u16_u16XMu16YM_Cnt	1	✓
SES_CalcEOTGain	1	SES_CalcEOTGain	1	✓
SES_FiltEOTGain	1	SES_FiltEOTGain	1	✓
SES_CalcEOTDamp	1	SES_CalcEOTDamp	1	✓
BilinearXMYM_u16_u16XMu16YM_Cnt	1	BilinearXMYM_u16_u16XMu16YM_Cnt	1	✓
SES_StateCtrl	1	SES_StateCtrl	1	✓
Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	✓

Test Step 2.20 (Repeat Count = 1)	
Name	Input Value
EOTActuatorMng_Damping_MtrNm_M_f32	2.79999995
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	735.869995
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	1438814044
EOTActuatorMng_FiltHWTqSV_HwNm_M_s7p24	-41943040
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.769999981
EOTActuatorMng_SESState_Uls_M_enum	SES_ENTERING

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EOTActuatorMng\_Per1

Name	Input Value
Rte_Inst_Ap_EOTActuatorMng	target_Rte_Inst_Ap_EOTActuatorMng
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.86500001
k_EOTDefltPosition_HwDeg_u12p4	7296
k_EOTDeltaTrqThrsh_HwNm_u9p7	1024
k_EOTDynConf_Uls_u8p8	0
k_EOTEnterLPFKn_Cnt_u16	1234
k_EOTExitLPFKn_Cnt_u16	3356
k_EOTImpSpdEn_Kph_u9p7	7808
k_EOTOriginalImpactandSoftEnd_Cnt_lgc	1
k_EOTPosDepDmpFinalSlew_MtrNmpS_T_f32	85.1399994
k_EOTStateHwTrqLPFKn_Cnt_u16	2345
k_MaxRackTrvl_HwDeg_u12p4	2176
k_MinRackTrvl_HwDeg_u12p4	9056
k_PosRampStep_HwDeg_u12p4	6912
k_SoftStopEOTEnable_Cnt_lgc	1
k_SpdPtScale_MtrNmpRadps_u4p12	88
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	1456
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	1664
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	1888
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	2032
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	784
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	2336
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	2352
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	2368
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1424
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	4256
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	4272
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	4288
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	2064
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	6176
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	6192
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	6208
t2_EOTEnterGainY_Uls_u1p15[0][0]	10
t2_EOTEnterGainY_Uls_u1p15[0][1]	11
t2_EOTEnterGainY_Uls_u1p15[0][2]	186
t2_EOTEnterGainY_Uls_u1p15[0][3]	1809
t2_EOTEnterGainY_Uls_u1p15[1][0]	11
t2_EOTEnterGainY_Uls_u1p15[1][1]	12
t2_EOTEnterGainY_Uls_u1p15[1][2]	216
t2_EOTEnterGainY_Uls_u1p15[1][3]	2094
t2_EOTEnterGainY_Uls_u1p15[2][0]	11
t2_EOTEnterGainY_Uls_u1p15[2][1]	11
t2_EOTEnterGainY_Uls_u1p15[2][2]	206
t2_EOTEnterGainY_Uls_u1p15[2][3]	1999
t2_EOTEnterGainY_Uls_u1p15[3][0]	13
t2_EOTEnterGainY_Uls_u1p15[3][1]	13
t2_EOTEnterGainY_Uls_u1p15[3][2]	265
t2_EOTEnterGainY_Uls_u1p15[3][3]	2569
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	289
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	409
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	365
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	517
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	365
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	517
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	319
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	452
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	1056
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	1424
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	944
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1328
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	832
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	4320
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	464
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	848
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	41
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	289
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	425
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	603
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	349
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	495
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	32
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	44
t_EOTDmpVspd_Kph_u9p7[0]	6272

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Name	Input Value		
t_EOTDmpVspd_Kph_u9p7[1]	18688		
t_EOTDmpVspd_Kph_u9p7[2]	18816		
t_EOTDmpVspd_Kph_u9p7[3]	18944		
t_EOTEnterGainVspd_Kph_u9p7[0]	6272		
t_EOTEnterGainVspd_Kph_u9p7[1]	18688		
t_EOTEnterGainVspd_Kph_u9p7[2]	18816		
t_EOTEnterGainVspd_Kph_u9p7[3]	18944		
t_SpdIptTbIXTbI_HwDeg_u12p4[0]	384		
t_SpdIptTbIXTbI_HwDeg_u12p4[1]	528		
t_SpdIptTbIYTbI_MtrRadpS_u12p4[0]	464		
t_SpdIptTbIYTbI_MtrRadpS_u12p4[1]	848		
t_TrqTableX_HwNm_u8p8[0]	0		
t_TrqTableX_HwNm_u8p8[1]	512		
t_TrqTbIY_Uls_u2p14[0]	246		
t_TrqTbIY_Uls_u2p14[1]	328		
target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value	-144.169998		
target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value	1		
target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value	777.286987		
target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value	1		
target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value	0		
target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value	0.930000007		
target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value	400.200012		
target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value	2.5		
target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value	-0.379999995		
target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value	0.245000005		
target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value	22.6499996		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32	target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls_f32	target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32	target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_lgc	target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Uls_f32	target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32	target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm_f32	target_EOTActuatorMng_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32	target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32	target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph_f32	target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	2.62971997	2.62971997 ± 0.0000390625	✔
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	456	456 ± 0.0000390625	✔
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	1413955114	1413955114 ± 1	✔
EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24	-38941440	-38941440 ± 1	✔
EOTActuatorMng_OutputRampMultLtd_M_f32	0.245000005	0.245000005 ± 0.00390625	✔
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.658416748	0.658416748 ± 0.0625	✔
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL	SES_NORMAL	✔
target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value	2.62971997	2.62971997 ± 0.00048828125	✔
target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value	0.658416748	0.658416748 ± 0.0000390625	✔
target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value	0.614882827	0.614882827 ± 0.00048828125	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	✓
EOTDetermination	1	EOTDetermination	1	✓
EOTOrigImpact	1	EOTOrigImpact	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_DetLmtPos	1	SES_DetLmtPos	1	✓
SES_CalcExitGain	1	SES_CalcExitGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_CalcEnterGain	1	SES_CalcEnterGain	1	✓
BilinearXMYM_u16_u16XM_u16YM_Cnt	1	BilinearXMYM_u16_u16XM_u16YM_Cnt	1	✓
SES_CalcEOTGain	1	SES_CalcEOTGain	1	✓
SES_FiltEOTGain	1	SES_FiltEOTGain	1	✓
SES_CalcEOTDamp	1	SES_CalcEOTDamp	1	✓
BilinearXMYM_u16_u16XM_u16YM_Cnt	1	BilinearXMYM_u16_u16XM_u16YM_Cnt	1	✓
SES_StateCtrl	1	SES_StateCtrl	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	2	IntplVarXY_u16_u16Xu16Y_Cnt	2	✓
Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	✓

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## Test Step 2.21 (Repeat Count = 1)



Name	Input Value
EOTActuatorMng_Damping_MtrNm_M_f32	3
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	248.889999
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	1202590843
EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24	41943040
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.660000026
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL
Rte_Inst_Ap_EOTActuatorMng	target_Rte_Inst_Ap_EOTActuatorMng
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.0430000015
k_EOTDefltPosition_HwDeg_u12p4	9072
k_EOTDeltaTrqThrsh_HwNm_u9p7	896
k_EOTDynConf_Uls_u8p8	53760
k_EOTEnterLPFKn_Cnt_u16	2345
k_EOTExitLPFKn_Cnt_u16	7544
k_EOTImpSpdEn_Kph_u9p7	7936
k_EOTOriginalImpactandSoftEnd_Cnt_lgc	0
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32	89.1900024
k_EOTStateHwTrqLPFKn_Cnt_u16	3456
k_MaxRackTrvl_HwDeg_u12p4	2192
k_MinRackTrvl_HwDeg_u12p4	8864
k_PosRampStep_HwDeg_u12p4	10464
k_SoftStopEOTEnable_Cnt_lgc	0
k_SpdIptScale_MtrNmpRadps_u4p12	88
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	0
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	96
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	192
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	400
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	800
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	2384
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	2400
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	2416
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1440
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	4304
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	4320
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	4336
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	2080
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	6224
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	6240
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	6256
t2_EOTEnterGainY_Uls_u1p15[0][0]	10
t2_EOTEnterGainY_Uls_u1p15[0][1]	11
t2_EOTEnterGainY_Uls_u1p15[0][2]	196
t2_EOTEnterGainY_Uls_u1p15[0][3]	1904
t2_EOTEnterGainY_Uls_u1p15[1][0]	11
t2_EOTEnterGainY_Uls_u1p15[1][1]	12
t2_EOTEnterGainY_Uls_u1p15[1][2]	225
t2_EOTEnterGainY_Uls_u1p15[1][3]	2189
t2_EOTEnterGainY_Uls_u1p15[2][0]	11
t2_EOTEnterGainY_Uls_u1p15[2][1]	12
t2_EOTEnterGainY_Uls_u1p15[2][2]	216
t2_EOTEnterGainY_Uls_u1p15[2][3]	2094
t2_EOTEnterGainY_Uls_u1p15[3][0]	13
t2_EOTEnterGainY_Uls_u1p15[3][1]	14
t2_EOTEnterGainY_Uls_u1p15[3][2]	274
t2_EOTEnterGainY_Uls_u1p15[3][3]	2664
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	304
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	431
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	380
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	538
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	380
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	538
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	334
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	474
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	560
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	720
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	960
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1344
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	848
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	4336
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	480
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	864
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	43

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Name	Input Value		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]	304		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]	440		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]	624		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]	365		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]	517		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]	47		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]	65		
t_EOTDmpVspd_Kph_u9p7[0]	6400		
t_EOTDmpVspd_Kph_u9p7[1]	19072		
t_EOTDmpVspd_Kph_u9p7[2]	19200		
t_EOTDmpVspd_Kph_u9p7[3]	19328		
t_EOTEnterGainVspd_Kph_u9p7[0]	6400		
t_EOTEnterGainVspd_Kph_u9p7[1]	19072		
t_EOTEnterGainVspd_Kph_u9p7[2]	19200		
t_EOTEnterGainVspd_Kph_u9p7[3]	19328		
t_SpdIptTblXTbl_HwDeg_u12p4[0]	400		
t_SpdIptTblXTbl_HwDeg_u12p4[1]	544		
t_SpdIptTblYTbl_MtrRadpS_u12p4[0]	480		
t_SpdIptTblYTbl_MtrRadpS_u12p4[1]	864		
t_TrqTableX_HwNm_u8p8[0]	0		
t_TrqTableX_HwNm_u8p8[1]	256		
t_TrqTblY_Uls_u2p14[0]	262		
t_TrqTblY_Uls_u2p14[1]	344		
target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value	-1400.18994		
target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value	1		
target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value	800.153992		
target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value	0		
target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value	0		
target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value	0		
target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value	-0.800000012		
target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value	-2.5		
target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value	0.00200000009		
target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value	0.0680000037		
target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value	23.5799999		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32	target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls_f32	target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32	target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_lgc	target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Uls_f32	target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32	target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm_f32	target_EOTActuatorMng_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32	target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32	target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph_f32	target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	2.82161999	2.82161999 ± 0.0000390625	✔
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	567	567 ± 0.0000390625	✔
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	1164024973	1164024973 ± 1	✔
EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24	41943040	41943040 ± 1	✔
EOTActuatorMng_OutputRampMultLtd_M_f32	0.0680000037	0.0680000037 ± 0.00390625	✔
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.542022705	0.542022705 ± 0.0625	✔
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED	SES_DISABLED	✔
target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value	2.82161999	2.82161999 ± 0.00048828125	✔
target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value	0.542022705	0.542022705 ± 0.0000390625	✔
target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value	0.644488275	0.644488275 ± 0.00048828125	✔

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## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	✓
EOTDetermination	1	EOTDetermination	1	✓
EOTOrigImpact	1	EOTOrigImpact	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_DetLmtPos	1	SES_DetLmtPos	1	✓
SES_CalcExitGain	1	SES_CalcExitGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_CalcEnterGain	1	SES_CalcEnterGain	1	✓
BilinearXMYM_u16_u16XMu16YM_Cnt	1	BilinearXMYM_u16_u16XMu16YM_Cnt	1	✓
SES_CalcEOTGain	1	SES_CalcEOTGain	1	✓
SES_FiltEOTGain	1	SES_FiltEOTGain	1	✓
SES_CalcEOTDamp	1	SES_CalcEOTDamp	1	✓
BilinearXMYM_u16_u16XMu16YM_Cnt	1	BilinearXMYM_u16_u16XMu16YM_Cnt	1	✓
SES_StateCtrl	1	SES_StateCtrl	1	✓
Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	✓

## Test Step 2.22 (Repeat Count = 1)

Name	Input Value
EOTActuatorMng_Damping_MtrNm_M_f32	3.20000005
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	200.145004
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	966367642
EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24	-25165824
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.550000012
EOTActuatorMng_SESState_Uls_M_enum	SES_ENTERING
Rte_Inst_Ap_EOTActuatorMng	target_Rte_Inst_Ap_EOTActuatorMng
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.69599998
k_EOTDefltPosition_HwDeg_u12p4	10848
k_EOTDeltaTrqThrsh_HwNm_u9p7	768
k_EOTDynConf_Uls_u8p8	56320
k_EOTEnterLPFKn_Cnt_u16	3456
k_EOTExitLPFKn_Cnt_u16	3564
k_EOTImpSpdEn_Kph_u9p7	8064
k_EOTOriginalImpactandSoftEnd_Cnt_lgc	1
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32	93.2399979
k_EOTStateHwTrqLPFKn_Cnt_u16	100
k_MaxRackTrvl_HwDeg_u12p4	2208
k_MinRackTrvl_HwDeg_u12p4	6512
k_PosRampStep_HwDeg_u12p4	10848
k_SoftStopEOTEnable_Cnt_lgc	1
k_SpdIptScale_MtrNmpRadpS_u4p12	88
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	256
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	448
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	592
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	640
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	816
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	2432
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	2448
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	2464
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1456
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	4352
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	4368
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	4384
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	2096
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	6272
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	6288
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	6304
t2_EOTEnterGainY_Uls_u1p15[0][0]	5
t2_EOTEnterGainY_Uls_u1p15[0][1]	5
t2_EOTEnterGainY_Uls_u1p15[0][2]	20
t2_EOTEnterGainY_Uls_u1p15[0][3]	193
t2_EOTEnterGainY_Uls_u1p15[1][0]	7
t2_EOTEnterGainY_Uls_u1p15[1][1]	7
t2_EOTEnterGainY_Uls_u1p15[1][2]	78
t2_EOTEnterGainY_Uls_u1p15[1][3]	763
t2_EOTEnterGainY_Uls_u1p15[2][0]	6
t2_EOTEnterGainY_Uls_u1p15[2][1]	7
t2_EOTEnterGainY_Uls_u1p15[2][2]	69
t2_EOTEnterGainY_Uls_u1p15[2][3]	668

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Name	Input Value		
t2_EOTEnterGainY_Uls_u1p15[3][0]	5		
t2_EOTEnterGainY_Uls_u1p15[3][1]	5		
t2_EOTEnterGainY_Uls_u1p15[3][2]	20		
t2_EOTEnterGainY_Uls_u1p15[3][3]	193		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	319		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	452		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	395		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	560		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	395		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	560		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	349		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	495		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	224		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	4208		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	1024		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1408		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	736		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	3344		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	496		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	880		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]	45		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]	319		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]	168		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]	237		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]	380		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]	538		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]	87		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]	62		
t_EOTDmpVspd_Kph_u9p7[0]	6528		
t_EOTDmpVspd_Kph_u9p7[1]	19456		
t_EOTDmpVspd_Kph_u9p7[2]	19584		
t_EOTDmpVspd_Kph_u9p7[3]	19712		
t_EOTEnterGainVspd_Kph_u9p7[0]	6528		
t_EOTEnterGainVspd_Kph_u9p7[1]	19456		
t_EOTEnterGainVspd_Kph_u9p7[2]	19584		
t_EOTEnterGainVspd_Kph_u9p7[3]	19712		
t_SpdIptTblXTbl_HwDeg_u12p4[0]	416		
t_SpdIptTblXTbl_HwDeg_u12p4[1]	560		
t_SpdIptTblYTbl_MtrRadpS_u12p4[0]	496		
t_SpdIptTblYTbl_MtrRadpS_u12p4[1]	880		
t_TrqTableX_HwNm_u8p8[0]	2048		
t_TrqTableX_HwNm_u8p8[1]	2304		
t_TrqTblY_Uls_u2p14[0]	279		
t_TrqTblY_Uls_u2p14[1]	360		
target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value	-111.07		
target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value	1		
target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value	200.824005		
target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value	1		
target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value	1		
target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value	1		
target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value	0		
target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value	3.5		
target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value	0.00300000003		
target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value	0.0549999997		
target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value	9.53999996		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDamping	target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls	target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit_MtrNm	target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_lgc	target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Uls	target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32	target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm_f32	target_EOTActuatorMng_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadpS	target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_OutputRampMultLtd	target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph	target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	3.01352	3.01352 ± 0.0000390625	✓
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	200.145004	200.145004 ± 0.0000390625	✓
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	916075930	916075930 ± 1	✓



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Name	Actual Value	Expected Value	Result
EOTActuatorMng_FiltHwTrqSV_HwNm_M_s7p24	-25037824	-25037824 ± 1	✓
EOTActuatorMng_OutputRampMultLtd_M_f32	0.0549999997	0.0549999997 ± 0.00390625	✓
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.426574707	0.426574707 ± 0.0625	✓
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED	SES_DISABLED	✓
target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value	3.01352	3.01352 ± 0.00048828125	✓
target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value	0.426574707	0.426574707 ± 0.0000390625	✓
target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value	8.80000019	8.80000019 ± 0.00048828125	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	✓
EOTDetermination	1	EOTDetermination	1	✓
SES_DetLmtPos	1	SES_DetLmtPos	1	✓
SES_CalcExitGain	1	SES_CalcExitGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_CalcEnterGain	1	SES_CalcEnterGain	1	✓
BilinearXMYM_u16_u16XM_u16YM_Cnt	1	BilinearXMYM_u16_u16XM_u16YM_Cnt	1	✓
SES_CalcEOTGain	1	SES_CalcEOTGain	1	✓
SES_FiltEOTGain	1	SES_FiltEOTGain	1	✓
SES_CalcEOTDamp	1	SES_CalcEOTDamp	1	✓
BilinearXMYM_u16_u16XM_u16YM_Cnt	1	BilinearXMYM_u16_u16XM_u16YM_Cnt	1	✓
SES_StateCtrl	1	SES_StateCtrl	1	✓
Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	✓

Test Step 2.23 (Repeat Count = 1)	
Name	Input Value
EOTActuatorMng_Damping_MtrNm_M_f32	3.4000001
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	342.355988
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	73014440
EOTActuatorMng_FiltHwTrqSV_HwNm_M_s7p24	25165824
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.439999998
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL
Rte_Inst_Ap_EOTActuatorMng	target_Rte_Inst_Ap_EOTActuatorMng
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.61500001
k_EOTDefltPosition_HwDeg_u12p4	12624
k_EOTDeltaTrqThrsh_HwNm_u9p7	640
k_EOTDynConf_Uls_u8p8	0
k_EOTEnterLPFKn_Cnt_u16	999
k_EOTExitLPFKn_Cnt_u16	6543
k_EOTImpSpdEn_Kph_u9p7	8192
k_EOTOriginalImpactandSoftEnd_Cnt_lgc	0
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32	97.2900009
k_EOTStateHwTrqLPFKn_Cnt_u16	200
k_MaxRackTrvl_HwDeg_u12p4	2224
k_MinRackTrvl_HwDeg_u12p4	15440
k_PosRampStep_HwDeg_u12p4	9072
k_SoftStopEOTEnable_Cnt_lgc	1
k_SpdLptScale_MtrNmpRadpS_u4p12	89
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	800
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	960
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	1120
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	1280
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	832
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	2480
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	2496
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	2512
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1472
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	4400
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	4416
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	4432
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	2112
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	6320
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	6336
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	6352
t2_EOTEnterGainY_Uls_u1p15[0][0]	5
t2_EOTEnterGainY_Uls_u1p15[0][1]	6
t2_EOTEnterGainY_Uls_u1p15[0][2]	29
t2_EOTEnterGainY_Uls_u1p15[0][3]	288
t2_EOTEnterGainY_Uls_u1p15[1][0]	7
t2_EOTEnterGainY_Uls_u1p15[1][1]	8



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Name	Input Value
t2_EOTEnterGainY_Uls_u1p15[1][2]	88
t2_EOTEnterGainY_Uls_u1p15[1][3]	859
t2_EOTEnterGainY_Uls_u1p15[2][0]	7
t2_EOTEnterGainY_Uls_u1p15[2][1]	7
t2_EOTEnterGainY_Uls_u1p15[2][2]	78
t2_EOTEnterGainY_Uls_u1p15[2][3]	763
t2_EOTEnterGainY_Uls_u1p15[3][0]	288
t2_EOTEnterGainY_Uls_u1p15[3][1]	29
t2_EOTEnterGainY_Uls_u1p15[3][2]	5
t2_EOTEnterGainY_Uls_u1p15[3][3]	6
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	334
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	474
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	410
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	581
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	410
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	581
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	365
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	517
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	256
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	4224
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	1040
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1424
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	768
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	3360
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	512
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	896
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	47
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	334
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	183
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	259
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	395
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	560
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	77
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	108
t_EOTDmpVspd_Kph_u9p7[0]	6656
t_EOTDmpVspd_Kph_u9p7[1]	19840
t_EOTDmpVspd_Kph_u9p7[2]	19968
t_EOTDmpVspd_Kph_u9p7[3]	20096
t_EOTEnterGainVspd_Kph_u9p7[0]	6656
t_EOTEnterGainVspd_Kph_u9p7[1]	19840
t_EOTEnterGainVspd_Kph_u9p7[2]	19968
t_EOTEnterGainVspd_Kph_u9p7[3]	20096
t_SpdIptTblXTbl_HwDeg_u12p4[0]	432
t_SpdIptTblXTbl_HwDeg_u12p4[1]	576
t_SpdIptTblYTbl_MtrRadps_u12p4[0]	512
t_SpdIptTblYTbl_MtrRadps_u12p4[1]	896
t_TrqTableX_HwNm_u8p8[0]	1792
t_TrqTableX_HwNm_u8p8[1]	2048
t_TrqTblY_Uls_u2p14[0]	295
t_TrqTblY_Uls_u2p14[1]	377
target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value	-110.290001
target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value	1
target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value	900.070984
target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value	1
target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value	0
target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value	0.5
target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value	-200.360001
target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value	-3.5
target_EOTActuatorMng_Per1_MotorVel_MtrRadps_f32.value	-0.439999998
target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value	0.405999988
target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value	25.1399994
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDamping	target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls	target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit_MtrNm	target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CwFound_Cnt_lgc
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_lgc	target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Uls	target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32	target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm_f32	target_EOTActuatorMng_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadps_f32	target_EOTActuatorMng_Per1_MotorVel_MtrRadps_f32

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EOTActuatorMng\_Per1

Name	Input Value		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_OutputRampMultLtd	target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph	target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	3.20542002	3.20542002 ± 0.0000390625	✓
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	342.355988	342.355988 ± 0.0000390625	✓
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	719302293	719302293 ± 1	✓
EOTActuatorMng_FiltHWTqSV_HwNm_M_s7p24	25268224	25268224 ± 1	✓
EOTActuatorMng_OutputRampMultLtd_M_f32	0.405999988	0.405999988 ± 0.00390625	✓
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.33493042	0.33493042 ± 0.0625	✓
EOTActuatorMng_SESSState_Uls_M_enum	SES_NORMAL	SES_NORMAL	✓
target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value	3.20542002	3.20542002 ± 0.00048828125	✓
target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value	0.33493042	0.33493042 ± 0.0000390625	✓
target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value	8.80000019	8.80000019 ± 0.00048828125	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	✓
EOTDetermination	1	EOTDetermination	1	✓
SES_DetLmtPos	1	SES_DetLmtPos	1	✓
SES_CalcExitGain	1	SES_CalcExitGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_CalcEnterGain	1	SES_CalcEnterGain	1	✓
BilinearXMYM_u16_u16XM_u16YM_Cnt	1	BilinearXMYM_u16_u16XM_u16YM_Cnt	1	✓
SES_CalcEOTGain	1	SES_CalcEOTGain	1	✓
SES_FiltEOTGain	1	SES_FiltEOTGain	1	✓
SES_CalcEOTDamp	1	SES_CalcEOTDamp	1	✓
BilinearXMYM_u16_u16XM_u16YM_Cnt	1	BilinearXMYM_u16_u16XM_u16YM_Cnt	1	✓
SES_StateCtrl	1	SES_StateCtrl	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	2	IntplVarXY_u16_u16Xu16Y_Cnt	2	✓
Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	✓

Test Step 2.24 (Repeat Count = 1)	
Name	Input Value
EOTActuatorMng_Damping_MtrNm_M_f32	3.5999999
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	567.784973
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	493921239
EOTActuatorMng_FiltHWTqSV_HwNm_M_s7p24	-150994944
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.330000013
EOTActuatorMng_SESSState_Uls_M_enum	SES_ENTERING
Rte_Inst_Ap_EOTActuatorMng	target_Rte_Inst_Ap_EOTActuatorMng
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.200000003
k_EOTDefltPosition_HwDeg_u12p4	12624
k_EOTDeltaTrqThrsh_HwNm_u9p7	512
k_EOTDynConf_Uls_u8p8	61440
k_EOTEnterLPFKn_Cnt_u16	1000
k_EOTExitLPFKn_Cnt_u16	7567
k_EOTImpSpdEn_Kph_u9p7	8320
k_EOTOriginalImpactandSoftEnd_Cnt_lgc	1
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32	101.339996
k_EOTStateHwTrqLPFKn_Cnt_u16	300
k_MaxRackTrvl_HwDeg_u12p4	2240
k_MinRackTrvl_HwDeg_u12p4	17760
k_PosRampStep_HwDeg_u12p4	7296
k_SoftStopEOTEnable_Cnt_lgc	1
k_SpdIptScale_MtrNmpRadpS_u4p12	89
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	1456
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	1616
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	1840
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	2048
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	848
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	2528
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	2544
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	2560
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1488
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	4448
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	4464
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	4480
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	2128
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	6368
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	6384

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EOTActuatorMng\_Per1

Name	Input Value
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	6400
t2_EOTEnterGainY_Uls_u1p15[0][0]	5
t2_EOTEnterGainY_Uls_u1p15[0][1]	6
t2_EOTEnterGainY_Uls_u1p15[0][2]	39
t2_EOTEnterGainY_Uls_u1p15[0][3]	383
t2_EOTEnterGainY_Uls_u1p15[1][0]	7
t2_EOTEnterGainY_Uls_u1p15[1][1]	8
t2_EOTEnterGainY_Uls_u1p15[1][2]	98
t2_EOTEnterGainY_Uls_u1p15[1][3]	954
t2_EOTEnterGainY_Uls_u1p15[2][0]	7
t2_EOTEnterGainY_Uls_u1p15[2][1]	8
t2_EOTEnterGainY_Uls_u1p15[2][2]	88
t2_EOTEnterGainY_Uls_u1p15[2][3]	859
t2_EOTEnterGainY_Uls_u1p15[3][0]	383
t2_EOTEnterGainY_Uls_u1p15[3][1]	39
t2_EOTEnterGainY_Uls_u1p15[3][2]	5
t2_EOTEnterGainY_Uls_u1p15[3][3]	6
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	349
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	495
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	425
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	603
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	425
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	603
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	380
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	538
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	928
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	4240
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	1056
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1440
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	640
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	3376
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	528
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	912
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]	50
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]	349
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]	198
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]	280
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]	410
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]	581
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]	92
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]	130
t_EOTDmpVspd_Kph_u9p7[0]	6784
t_EOTDmpVspd_Kph_u9p7[1]	20224
t_EOTDmpVspd_Kph_u9p7[2]	20352
t_EOTDmpVspd_Kph_u9p7[3]	20480
t_EOTEnterGainVspd_Kph_u9p7[0]	6784
t_EOTEnterGainVspd_Kph_u9p7[1]	20224
t_EOTEnterGainVspd_Kph_u9p7[2]	20352
t_EOTEnterGainVspd_Kph_u9p7[3]	20480
t_SpdIptTblXTbl_HwDeg_u12p4[0]	448
t_SpdIptTblXTbl_HwDeg_u12p4[1]	592
t_SpdIptTblYTbl_MtrRadpS_u12p4[0]	528
t_SpdIptTblYTbl_MtrRadpS_u12p4[1]	912
t_TrqTableX_HwNm_u8p8[0]	1536
t_TrqTableX_HwNm_u8p8[1]	1792
t_TrqTblY_Uls_u2p14[0]	311
t_TrqTblY_Uls_u2p14[1]	393
target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value	-222.339996
target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value	0
target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value	999.033997
target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value	1
target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value	1
target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value	0.8899999986
target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value	882.125
target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value	4.5
target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value	-1350
target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value	0.3409999991
target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value	26.1450005
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDamping	target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls	target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit_MtrI	target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f3	target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc

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Name	Input Value		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_lgc	target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Uls	target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_Hwl	target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm_f	target_EOTActuatorMng_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadpS	target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_OutputRampMultLtd	target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph	target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	3.39731979	3.39732003 ± 0.0000390625	✓
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	567.784973	567.784973 ± 0.0000390625	✓
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	486768239	486768239 ± 1	✓
EOTActuatorMng_FiltHWTqrqSV_HwNm_M_s7p24	-149958144	-149958144 ± 1	✓
EOTActuatorMng_OutputRampMultLtd_M_f32	0.340999991	0.340999991 ± 0.00390625	✓
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.226654053	0.226654053 ± 0.0625	✓
EOTActuatorMng_SESSState_Uls_M_enum	SES_DISABLED	SES_DISABLED	✓
target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value	3.39731979	3.39732003 ± 0.00048828125	✓
target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value	0.226654053	0.226654053 ± 0.0000390625	✓
target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value	8.80000019	8.80000019 ± 0.00048828125	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	✓
EOTDetermination	1	EOTDetermination	1	✓
SES_DetLmtPos	1	SES_DetLmtPos	1	✓
SES_CalcExitGain	1	SES_CalcExitGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_CalcEnterGain	1	SES_CalcEnterGain	1	✓
BilinearXYM_u16_u16XM_u16YM_Cnt	1	BilinearXYM_u16_u16XM_u16YM_Cnt	1	✓
SES_CalcEOTGain	1	SES_CalcEOTGain	1	✓
SES_FiltEOTGain	1	SES_FiltEOTGain	1	✓
SES_CalcEOTDamp	1	SES_CalcEOTDamp	1	✓
BilinearXYM_u16_u16XM_u16YM_Cnt	1	BilinearXYM_u16_u16XM_u16YM_Cnt	1	✓
SES_StateCtrl	1	SES_StateCtrl	1	✓
Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	✓

Test Step 2.25 (Repeat Count = 1)	
Name	Input Value
EOTActuatorMng_Damping_MtrNm_M_f32	3.79999995
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	789.015015
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	257698038
EOTActuatorMng_FiltHwTrqSV_HwNm_M_s7p24	150994944
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.219999999
EOTActuatorMng_SESSState_Uls_M_enum	SES_NORMAL
Rte_Inst_Ap_EOTActuatorMng	target_Rte_Inst_Ap_EOTActuatorMng
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.372000009
k_EOTDefltPosition_HwDeg_u12p4	2480
k_EOTDeltaTrqThrsh_HwNm_u9p7	384
k_EOTDynConf_Uls_u8p8	2560
k_EOTEnterLPFkn_Cnt_u16	6565
k_EOTExitLPFkn_Cnt_u16	5644
k_EOTImpSpdEn_Kph_u9p7	8448
k_EOTOriginalImpactandSoftEnd_Cnt_lgc	0
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32	105.389999
k_EOTStateHwTrqLPFkn_Cnt_u16	4563
k_MaxRackTrvl_HwDeg_u12p4	2256
k_MinRackTrvl_HwDeg_u12p4	19552
k_PosRampStep_HwDeg_u12p4	5520
k_SoftStopEOTEnable_Cnt_lgc	0
k_SpdIptScale_MtrNmpRadps_u4p12	90
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	1504
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	4496
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	4512
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	4528
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	864
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	2576
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	2592
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	2608
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1504

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Name	Input Value
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	4496
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	4512
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	4528
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	2144
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	6416
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	6432
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	6448
t2_EOTEnterGainY_Uls_u1p15[0][0]	6
t2_EOTEnterGainY_Uls_u1p15[0][1]	6
t2_EOTEnterGainY_Uls_u1p15[0][2]	49
t2_EOTEnterGainY_Uls_u1p15[0][3]	478
t2_EOTEnterGainY_Uls_u1p15[1][0]	8
t2_EOTEnterGainY_Uls_u1p15[1][1]	8
t2_EOTEnterGainY_Uls_u1p15[1][2]	108
t2_EOTEnterGainY_Uls_u1p15[1][3]	1049
t2_EOTEnterGainY_Uls_u1p15[2][0]	5
t2_EOTEnterGainY_Uls_u1p15[2][1]	6
t2_EOTEnterGainY_Uls_u1p15[2][2]	29
t2_EOTEnterGainY_Uls_u1p15[2][3]	288
t2_EOTEnterGainY_Uls_u1p15[3][0]	478
t2_EOTEnterGainY_Uls_u1p15[3][1]	49
t2_EOTEnterGainY_Uls_u1p15[3][2]	6
t2_EOTEnterGainY_Uls_u1p15[3][3]	6
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	365
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	517
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	440
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	624
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	440
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	624
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	395
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	560
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	800
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	4256
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	1072
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1456
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	192
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	3392
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	544
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	928
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]	52
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]	365
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]	213
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]	302
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]	425
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]	603
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]	107
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]	151
t_EOTDmpVspd_Kph_u9p7[0]	6912
t_EOTDmpVspd_Kph_u9p7[1]	20608
t_EOTDmpVspd_Kph_u9p7[2]	20736
t_EOTDmpVspd_Kph_u9p7[3]	20864
t_EOTEnterGainVspd_Kph_u9p7[0]	6912
t_EOTEnterGainVspd_Kph_u9p7[1]	20608
t_EOTEnterGainVspd_Kph_u9p7[2]	20736
t_EOTEnterGainVspd_Kph_u9p7[3]	20864
t_SpdIptTblXTbl_HwDeg_u12p4[0]	464
t_SpdIptTblXTbl_HwDeg_u12p4[1]	608
t_SpdIptTblYTbl_MtrRadpS_u12p4[0]	544
t_SpdIptTblYTbl_MtrRadpS_u12p4[1]	928
t_TrqTableX_HwNm_u8p8[0]	1280
t_TrqTableX_HwNm_u8p8[1]	1536
t_TrqTblY_Uls_u2p14[0]	328
t_TrqTblY_Uls_u2p14[1]	410
target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value	-220.179993
target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value	1
target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value	1000.01001
target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value	0
target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value	0
target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value	0.129999995
target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value	-1000.40002
target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value	-4.5
target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value	1350
target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value	0.430999994

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Name	Input Value
target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value	27.6539993
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32	target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls	target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32	target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CwFound_Cnt_lgc
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_lgc	target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Uls	target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_HwNm_f32	target_EOTActuatorMng_Per1_HandWheelPos_HwNm_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm_f32	target_EOTActuatorMng_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadpS	target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_OutputRampMultLtd_Uls	target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph_f32	target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32

Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	4.01077986	4.01077986 ± 0.0000390625	✓
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	155	155 ± 0.0000390625	✓
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	231923848	231923848 ± 1	✓
EOTActuatorMng_FiltHWTqSV_HwNm_M_s7p24	145738368	145738368 ± 1	✓
EOTActuatorMng_OutputRampMultLtd_M_f32	0.430999994	0.430999994 ± 0.00390625	✓
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.107971191	0.107971191 ± 0.0625	✓
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED	SES_DISABLED	✓
target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value	4.01077986	4.01077986 ± 0.00048828125	✓
target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value	0.107971191	0.107971191 ± 0.0000390625	✓
target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value	0	0 ± 0.00048828125	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	✓
EOTDetermination	1	EOTDetermination	1	✓
EOTOrigImpact	1	EOTOrigImpact	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_DetLmtPos	1	SES_DetLmtPos	1	✓
SES_CalcExitGain	1	SES_CalcExitGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_CalcEnterGain	1	SES_CalcEnterGain	1	✓
BilinearXMYM_u16_u16XM_u16YM_Cnt	1	BilinearXMYM_u16_u16XM_u16YM_Cnt	1	✓
SES_CalcEOTGain	1	SES_CalcEOTGain	1	✓
SES_FiltEOTGain	1	SES_FiltEOTGain	1	✓
SES_CalcEOTDamp	1	SES_CalcEOTDamp	1	✓
BilinearXMYM_u16_u16XM_u16YM_Cnt	1	BilinearXMYM_u16_u16XM_u16YM_Cnt	1	✓
SES_StateCtrl	1	SES_StateCtrl	1	✓
Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	✓

Test Step 2.26 (Repeat Count = 1)	
Name	Input Value
EOTActuatorMng_Damping_MtrNm_M_f32	4
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	780.354004
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	1889785610
EOTActuatorMng_FiltHWTqSV_HwNm_M_s7p24	-134217728
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.109999999
EOTActuatorMng_SESState_Uls_M_enum	SES_ENTERING
Rte_Inst_Ap_EOTActuatorMng	target_Rte_Inst_Ap_EOTActuatorMng
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.465000004
k_EOTDefltPosition_HwDeg_u12p4	2480
k_EOTDeltaTrqThrsh_HwNm_u9p7	256
k_EOTDynConf_Uls_u8p8	5120
k_EOTEnterLPFKn_Cnt_u16	4533
k_EOTExitLPFKn_Cnt_u16	4444
k_EOTImpSpdEn_Kph_u9p7	8576
k_EOTOriginalImpactandSoftEnd_Cnt_lgc	1
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32	109.440002
k_EOTStateHwTrqLPFKn_Cnt_u16	3556
k_MaxRackTrvl_HwDeg_u12p4	2272
k_MinRackTrvl_HwDeg_u12p4	9424
k_PosRampStep_HwDeg_u12p4	3744
k_SoftStopEOTEnable_Cnt_lgc	1
k_SpdIptScale_MtrNmpRadpS_u4p12	90
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	1520

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Name	Input Value
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	4544
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	4560
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	4576
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	880
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	2624
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	2640
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	2656
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1520
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	4544
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	4560
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	4576
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	2160
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	6464
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	6480
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	6496
t2_EOTEnterGainY_Uls_u1p15[0][0]	6
t2_EOTEnterGainY_Uls_u1p15[0][1]	7
t2_EOTEnterGainY_Uls_u1p15[0][2]	59
t2_EOTEnterGainY_Uls_u1p15[0][3]	573
t2_EOTEnterGainY_Uls_u1p15[1][0]	8
t2_EOTEnterGainY_Uls_u1p15[1][1]	9
t2_EOTEnterGainY_Uls_u1p15[1][2]	118
t2_EOTEnterGainY_Uls_u1p15[1][3]	1144
t2_EOTEnterGainY_Uls_u1p15[2][0]	5
t2_EOTEnterGainY_Uls_u1p15[2][1]	6
t2_EOTEnterGainY_Uls_u1p15[2][2]	39
t2_EOTEnterGainY_Uls_u1p15[2][3]	383
t2_EOTEnterGainY_Uls_u1p15[3][0]	573
t2_EOTEnterGainY_Uls_u1p15[3][1]	59
t2_EOTEnterGainY_Uls_u1p15[3][2]	6
t2_EOTEnterGainY_Uls_u1p15[3][3]	7
t2_EOTExPosDepDmpTbly_MtrNmpRadps_u0p16[0][0]	380
t2_EOTExPosDepDmpTbly_MtrNmpRadps_u0p16[0][1]	538
t2_EOTExPosDepDmpTbly_MtrNmpRadps_u0p16[1][0]	455
t2_EOTExPosDepDmpTbly_MtrNmpRadps_u0p16[1][1]	646
t2_EOTExPosDepDmpTbly_MtrNmpRadps_u0p16[2][0]	334
t2_EOTExPosDepDmpTbly_MtrNmpRadps_u0p16[2][1]	474
t2_EOTExPosDepDmpTbly_MtrNmpRadps_u0p16[3][0]	410
t2_EOTExPosDepDmpTbly_MtrNmpRadps_u0p16[3][1]	581
t2_EOTPosDepDmpTbly_HwDeg_u12p4[0][0]	352
t2_EOTPosDepDmpTbly_HwDeg_u12p4[0][1]	4272
t2_EOTPosDepDmpTbly_HwDeg_u12p4[1][0]	1088
t2_EOTPosDepDmpTbly_HwDeg_u12p4[1][1]	1472
t2_EOTPosDepDmpTbly_HwDeg_u12p4[2][0]	704
t2_EOTPosDepDmpTbly_HwDeg_u12p4[2][1]	3408
t2_EOTPosDepDmpTbly_HwDeg_u12p4[3][0]	560
t2_EOTPosDepDmpTbly_HwDeg_u12p4[3][1]	944
t2_EOTPosDepDmpTbly_MtrNmpRadps_u0p16[0][0]	54
t2_EOTPosDepDmpTbly_MtrNmpRadps_u0p16[0][1]	380
t2_EOTPosDepDmpTbly_MtrNmpRadps_u0p16[1][0]	349
t2_EOTPosDepDmpTbly_MtrNmpRadps_u0p16[1][1]	495
t2_EOTPosDepDmpTbly_MtrNmpRadps_u0p16[2][0]	440
t2_EOTPosDepDmpTbly_MtrNmpRadps_u0p16[2][1]	624
t2_EOTPosDepDmpTbly_MtrNmpRadps_u0p16[3][0]	122
t2_EOTPosDepDmpTbly_MtrNmpRadps_u0p16[3][1]	173
t_EOTDmpVspd_Kph_u9p7[0]	7040
t_EOTDmpVspd_Kph_u9p7[1]	20992
t_EOTDmpVspd_Kph_u9p7[2]	21120
t_EOTDmpVspd_Kph_u9p7[3]	21248
t_EOTEnterGainVspd_Kph_u9p7[0]	7040
t_EOTEnterGainVspd_Kph_u9p7[1]	20992
t_EOTEnterGainVspd_Kph_u9p7[2]	21120
t_EOTEnterGainVspd_Kph_u9p7[3]	21248
t_SpdIptTblyTbly_HwDeg_u12p4[0]	480
t_SpdIptTblyTbly_HwDeg_u12p4[1]	624
t_SpdIptTblyTbly_MtrRadps_u12p4[0]	560
t_SpdIptTblyTbly_MtrRadps_u12p4[1]	944
t_TrqTableX_HwNm_u8p8[0]	768
t_TrqTableX_HwNm_u8p8[1]	1280
t_TrqTbly_Uls_u2p14[0]	344
t_TrqTbly_Uls_u2p14[1]	426
target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value	-333.082001
target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value	0



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EOTActuatorMng\_Per1

Name	Input Value
target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value	1111.02002
target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value	1
target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value	1
target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value	0.95599997
target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value	400.540009
target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value	5.5
target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value	0
target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value	0.561999977
target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value	28.698
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDamping	target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls	target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit_MtrNm	target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CwFound_Cnt_lgc
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_lgc	target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Uls	target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32	target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm_f32	target_EOTActuatorMng_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32	target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_OutputRampMultLtd_Uls	target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph_f32	target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32

Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	3.78112006	3.78112006 ± 0.0000390625	✓
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	780.354004	780.354004 ± 0.0000390625	✓
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	1759103753	1759103753 ± 1	✓
EOTActuatorMng_FiltHwTrqSV_HwNm_M_s7p24	-121928192	-121928192 ± 1	✓
EOTActuatorMng_OutputRampMultLtd_M_f32	0.561999977	0.561999977 ± 0.00390625	✓
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.819122314	0.819122314 ± 0.0625	✓
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED	SES_DISABLED	✓
target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value	3.78112006	3.78112006 ± 0.00048828125	✓
target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value	0.819122314	0.819122314 ± 0.0000390625	✓
target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value	8.80000019	8.80000019 ± 0.00048828125	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	✓
EOTDetermination	1	EOTDetermination	1	✓
SES_DetLmtPos	1	SES_DetLmtPos	1	✓
SES_CalcExitGain	1	SES_CalcExitGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_CalcEnterGain	1	SES_CalcEnterGain	1	✓
BilinearXMYM_u16_u16XM_u16YM_Cnt	1	BilinearXMYM_u16_u16XM_u16YM_Cnt	1	✓
SES_CalcEOTGain	1	SES_CalcEOTGain	1	✓
SES_FiltEOTGain	1	SES_FiltEOTGain	1	✓
SES_CalcEOTDamp	1	SES_CalcEOTDamp	1	✓
BilinearXMYM_u16_u16XM_u16YM_Cnt	1	BilinearXMYM_u16_u16XM_u16YM_Cnt	1	✓
SES_StateCtrl	1	SES_StateCtrl	1	✓
Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	✓

Test Step 2.27 (Repeat Count = 1)	
Name	Input Value
EOTActuatorMng_Damping_MtrNm_M_f32	4.19999981
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	123.875
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	1653562409
EOTActuatorMng_FiltHwTrqSV_HwNm_M_s7p24	134217728
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.889999986
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL
Rte_Inst_Ap_EOTActuatorMng	target_Rte_Inst_Ap_EOTActuatorMng
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.99000001
k_EOTDefltPosition_HwDeg_u12p4	2480
k_EOTDeltaTrqThrsh_HwNm_u9p7	128
k_EOTDynConf_Uls_u8p8	0
k_EOTEnterLPFKn_Cnt_u16	6443
k_EOTExitLPFKn_Cnt_u16	5555
k_EOTImpSpdEn_Kph_u9p7	8704
k_EOTOriginalImpactandSoftEnd_Cnt_lgc	0
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32	113.489998
k_EOTStateHwTrqLPFKn_Cnt_u16	2538



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EOTActuatorMng\_Per1

Name	Input Value
k_MaxRackTrvl_HwDeg_u12p4	2288
k_MinRackTrvl_HwDeg_u12p4	7104
k_PosRampStep_HwDeg_u12p4	5136
k_SoftStopEOTEnable_Cnt_lgc	1
k_SpdIptScale_MtrNmpRadps_u4p12	91
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	1536
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	4592
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	4608
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	4624
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	896
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	2672
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	2688
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	2704
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1536
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	4592
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	4608
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	4624
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	2176
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	6512
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	6528
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	6544
t2_EOTEnterGainY_Uls_u1p15[0][0]	6
t2_EOTEnterGainY_Uls_u1p15[0][1]	7
t2_EOTEnterGainY_Uls_u1p15[0][2]	69
t2_EOTEnterGainY_Uls_u1p15[0][3]	668
t2_EOTEnterGainY_Uls_u1p15[1][0]	8
t2_EOTEnterGainY_Uls_u1p15[1][1]	9
t2_EOTEnterGainY_Uls_u1p15[1][2]	127
t2_EOTEnterGainY_Uls_u1p15[1][3]	1239
t2_EOTEnterGainY_Uls_u1p15[2][0]	6
t2_EOTEnterGainY_Uls_u1p15[2][1]	6
t2_EOTEnterGainY_Uls_u1p15[2][2]	49
t2_EOTEnterGainY_Uls_u1p15[2][3]	478
t2_EOTEnterGainY_Uls_u1p15[3][0]	668
t2_EOTEnterGainY_Uls_u1p15[3][1]	69
t2_EOTEnterGainY_Uls_u1p15[3][2]	6
t2_EOTEnterGainY_Uls_u1p15[3][3]	7
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	395
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	560
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	471
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	667
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	349
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	495
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	425
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	603
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	384
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	4288
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	1104
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1488
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	256
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	3424
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	576
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	960
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	56
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	395
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	365
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	517
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	455
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	646
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	137
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	194
t_EOTDmpVspd_Kph_u9p7[0]	7168
t_EOTDmpVspd_Kph_u9p7[1]	21376
t_EOTDmpVspd_Kph_u9p7[2]	21504
t_EOTDmpVspd_Kph_u9p7[3]	21632
t_EOTEnterGainVspd_Kph_u9p7[0]	7168
t_EOTEnterGainVspd_Kph_u9p7[1]	21376
t_EOTEnterGainVspd_Kph_u9p7[2]	21504
t_EOTEnterGainVspd_Kph_u9p7[3]	21632
t_SpdIptTblXTbl_HwDeg_u12p4[0]	496
t_SpdIptTblXTbl_HwDeg_u12p4[1]	640
t_SpdIptTblYTbl_MtrRadps_u12p4[0]	576
t_SpdIptTblYTbl_MtrRadps_u12p4[1]	960

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Name	Input Value		
t_TrqTableX_HwNm_u8p8[0]	512		
t_TrqTableX_HwNm_u8p8[1]	1024		
t_TrqTblY_Uls_u2p14[0]	360		
t_TrqTblY_Uls_u2p14[1]	442		
target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value	-330.341003		
target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value	1		
target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value	1200.28003		
target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value	1		
target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value	0		
target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value	0.349999994		
target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value	-140.546005		
target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value	-5.5		
target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value	-900.099976		
target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value	0.224000007		
target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value	29.1410007		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDamping	target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls	target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit_MtrNm	target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_lgc	target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Uls	target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_Hwl	target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm_f	target_EOTActuatorMng_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadpS	target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_OutputRampMultLtd	target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph	target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	3.97301984	3.97302008 ± 0.0000390625	✔
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	123.875	123.875 ± 0.0000390625	✔
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	1495303000	1495303000 ± 1	✔
EOTActuatorMng_FiltHwTrqSV_HwNm_M_s7p24	132593408	132593408 ± 1	✔
EOTActuatorMng_OutputRampMultLtd_M_f32	0.224000007	0.224000007 ± 0.00390625	✔
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.696289063	0.696289063 ± 0.0625	✔
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL	SES_NORMAL	✔
target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value	3.97301984	3.97302008 ± 0.00048828125	✔
target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value	0.696289063	0.696289063 ± 0.0000390625	✔
target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value	8.80000019	8.80000019 ± 0.00048828125	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	✓
EOTDetermination	1	EOTDetermination	1	✓
SES_DetLmtPos	1	SES_DetLmtPos	1	✓
SES_CalcExitGain	1	SES_CalcExitGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_CalcEnterGain	1	SES_CalcEnterGain	1	✓
BilinearXMYM_u16_u16XM_u16YM_Cnt	1	BilinearXMYM_u16_u16XM_u16YM_Cnt	1	✓
SES_CalcEOTGain	1	SES_CalcEOTGain	1	✓
SES_FiltEOTGain	1	SES_FiltEOTGain	1	✓
SES_CalcEOTDamp	1	SES_CalcEOTDamp	1	✓
BilinearXMYM_u16_u16XM_u16YM_Cnt	1	BilinearXMYM_u16_u16XM_u16YM_Cnt	1	✓
SES_StateCtrl	1	SES_StateCtrl	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	2	IntplVarXY_u16_u16Xu16Y_Cnt	2	✓
Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	✓

Test Step 2.28 (Repeat Count = 1)	
Name	Input Value
EOTActuatorMng_Damping_MtrNm_M_f32	4.4000001
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	890.041016
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	1417339208
EOTActuatorMng_FiltHwTrqSV_HwNm_M_s7p24	-117440512
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.779999971
EOTActuatorMng_SESSState_Uls_M_enum	SES_ENTERING
Rte_Inst_Ap_EOTActuatorMng	target_Rte_Inst_Ap_EOTActuatorMng
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.606000006
k_EOTDefltposition_HwDeg_u12p4	1600
k_EOTDeltaTrqThrsh_HwNm_u9p7	1152

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Name	Input Value
k_EOTDynConf_Uls_u8p8	10240
k_EOTEnterLPFKn_Cnt_u16	3476
k_EOTExitLPFKn_Cnt_u16	6666
k_EOTImpSpdEn_Kph_u9p7	8832
k_EOTOriginalImpactandSoftEnd_Cnt_lgc	1
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32	117.540001
k_EOTStateHwTrqLPFKn_Cnt_u16	8564
k_MaxRackTrvl_HwDeg_u12p4	2304
k_MinRackTrvl_HwDeg_u12p4	8880
k_PosRampStep_HwDeg_u12p4	1968
k_SoftStopEOTEnable_Cnt_lgc	1
k_SpdIptScale_MtrNmpRadps_u4p12	91
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	1552
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	4640
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	4656
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	4672
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	912
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	2720
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	2736
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	2752
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1552
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	4640
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	4656
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	4672
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	2192
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	6560
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	6576
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	6592
t2_EOTEnterGainY_Uls_u1p15[0][0]	7
t2_EOTEnterGainY_Uls_u1p15[0][1]	7
t2_EOTEnterGainY_Uls_u1p15[0][2]	78
t2_EOTEnterGainY_Uls_u1p15[0][3]	763
t2_EOTEnterGainY_Uls_u1p15[1][0]	9
t2_EOTEnterGainY_Uls_u1p15[1][1]	9
t2_EOTEnterGainY_Uls_u1p15[1][2]	137
t2_EOTEnterGainY_Uls_u1p15[1][3]	1334
t2_EOTEnterGainY_Uls_u1p15[2][0]	6
t2_EOTEnterGainY_Uls_u1p15[2][1]	7
t2_EOTEnterGainY_Uls_u1p15[2][2]	59
t2_EOTEnterGainY_Uls_u1p15[2][3]	573
t2_EOTEnterGainY_Uls_u1p15[3][0]	763
t2_EOTEnterGainY_Uls_u1p15[3][1]	78
t2_EOTEnterGainY_Uls_u1p15[3][2]	7
t2_EOTEnterGainY_Uls_u1p15[3][3]	7
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	410
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	581
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	69
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	486
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	365
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	517
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	440
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	624
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	896
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	4304
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	1120
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1504
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	288
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	3440
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	592
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	976
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	452
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	934
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	62
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	87
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	10
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	452
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	62
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	87
t_EOTDmpVspd_Kph_u9p7[0]	7296
t_EOTDmpVspd_Kph_u9p7[1]	21760
t_EOTDmpVspd_Kph_u9p7[2]	21888
t_EOTDmpVspd_Kph_u9p7[3]	22016
t_EOTEnterGainVspd_Kph_u9p7[0]	7296

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Name	Input Value		
t_EOTEnterGainVspd_Kph_u9p7[1]	21760		
t_EOTEnterGainVspd_Kph_u9p7[2]	21888		
t_EOTEnterGainVspd_Kph_u9p7[3]	22016		
t_SpdIptTblXTbl_HwDeg_u12p4[0]	512		
t_SpdIptTblXTbl_HwDeg_u12p4[1]	656		
t_SpdIptTblYTbl_MtrRadpS_u12p4[0]	592		
t_SpdIptTblYTbl_MtrRadpS_u12p4[1]	976		
t_TrqTableX_HwNm_u8p8[0]	512		
t_TrqTableX_HwNm_u8p8[1]	768		
t_TrqTblY_Uls_u2p14[0]	377		
t_TrqTblY_Uls_u2p14[1]	459		
target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value	-444.041992		
target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value	1		
target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value	1211.33997		
target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value	0		
target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value	1		
target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value	0.897000015		
target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value	111.893997		
target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value	6.5		
target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value	900.200012		
target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value	0.0309999995		
target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value	30.0559998		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDamping	target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls	target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit_MtrI	target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f3	target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_lgc	target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Uls	target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_HwI	target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm_f	target_EOTActuatorMng_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadpS	target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_OutputRampMultLtd	target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph	target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	4.63508034	4.63507986 ± 0.0000390625	✔
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	890.041016	890.041016 ± 0.0000390625	✔
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	1344819420	1344819420 ± 1	✔
EOTActuatorMng_FiltHWTTrqSV_HwNm_M_s7p24	-87843328	-87843328 ± 1	✔
EOTActuatorMng_OutputRampMultLtd_M_f32	0.0309999995	0.0309999995 ± 0.00390625	✔
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.626220703	0.626220703 ± 0.0625	✔
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED	SES_DISABLED	✔
target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value	4.63508034	4.63507986 ± 0.00048828125	✔
target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value	0.626220703	0.626220703 ± 0.0000390625	✔
target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value	8.80000019	8.80000019 ± 0.00048828125	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	✓
EOTDetermination	1	EOTDetermination	1	✓
SES_DetLmtPos	1	SES_DetLmtPos	1	✓
SES_CalcExitGain	1	SES_CalcExitGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_CalcEnterGain	1	SES_CalcEnterGain	1	✓
BilinearXMYM_u16_u16XM_u16YM_Cnt	1	BilinearXMYM_u16_u16XM_u16YM_Cnt	1	✓
SES_CalcEOTGain	1	SES_CalcEOTGain	1	✓
SES_FiltEOTGain	1	SES_FiltEOTGain	1	✓
SES_CalcEOTDamp	1	SES_CalcEOTDamp	1	✓
BilinearXMYM_u16_u16XM_u16YM_Cnt	1	BilinearXMYM_u16_u16XM_u16YM_Cnt	1	✓
SES_StateCtrl	1	SES_StateCtrl	1	✓
Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	✓

Test Step 2.29 (Repeat Count = 1)	
Name	Input Value
EOTActuatorMng_Damping_MtrNm_M_f32	4.5999999
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	355.032013
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	1181116006
EOTActuatorMng_FiltHWTTrqSV_HwNm_M_s7p24	117440512

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Name	Input Value
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.670000017
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL
Rte_Inst_Ap_EOTActuatorMng	target_Rte_Inst_Ap_EOTActuatorMng
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.91900003
k_EOTDefltPosition_HwDeg_u12p4	4080
k_EOTDeltaTrqThrsh_HwNm_u9p7	1024
k_EOTDynConf_Uls_u8p8	12800
k_EOTEnterLPFKn_Cnt_u16	8456
k_EOTExitLPFKn_Cnt_u16	7777
k_EOTImpSpdEn_Kph_u9p7	8960
k_EOTOriginalImpactandSoftEnd_Cnt_lgc	0
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32	121.589996
k_EOTStateHwTrqLPFKn_Cnt_u16	3756
k_MaxRackTrvl_HwDeg_u12p4	2320
k_MinRackTrvl_HwDeg_u12p4	12448
k_PosRampStep_HwDeg_u12p4	11008
k_SoftStopEOTEnable_Cnt_lgc	0
k_SpdPtScale_MtrNmpRadps_u4p12	91
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	1568
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	4688
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	4704
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	4720
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	928
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	2768
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	2784
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	2800
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1568
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	4688
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	4704
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	4720
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	2208
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	6608
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	6624
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	6640
t2_EOTEnterGainY_Uls_u1p15[0][0]	7
t2_EOTEnterGainY_Uls_u1p15[0][1]	8
t2_EOTEnterGainY_Uls_u1p15[0][2]	88
t2_EOTEnterGainY_Uls_u1p15[0][3]	859
t2_EOTEnterGainY_Uls_u1p15[1][0]	9
t2_EOTEnterGainY_Uls_u1p15[1][1]	10
t2_EOTEnterGainY_Uls_u1p15[1][2]	147
t2_EOTEnterGainY_Uls_u1p15[1][3]	1429
t2_EOTEnterGainY_Uls_u1p15[2][0]	5
t2_EOTEnterGainY_Uls_u1p15[2][1]	6
t2_EOTEnterGainY_Uls_u1p15[2][2]	29
t2_EOTEnterGainY_Uls_u1p15[2][3]	288
t2_EOTEnterGainY_Uls_u1p15[3][0]	859
t2_EOTEnterGainY_Uls_u1p15[3][1]	88
t2_EOTEnterGainY_Uls_u1p15[3][2]	7
t2_EOTEnterGainY_Uls_u1p15[3][3]	8
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	425
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	603
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	13
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	501
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	304
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	431
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	455
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	646
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	928
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	4320
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	1280
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	736
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	640
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	3456
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	608
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	992
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	52
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	68
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	77
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	108
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	68
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	515
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	77

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Name	Input Value		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]	108		
t_EOTDmpVspd_Kph_u9p7[0]	7424		
t_EOTDmpVspd_Kph_u9p7[1]	22144		
t_EOTDmpVspd_Kph_u9p7[2]	22272		
t_EOTDmpVspd_Kph_u9p7[3]	22400		
t_EOTEnterGainVspd_Kph_u9p7[0]	7424		
t_EOTEnterGainVspd_Kph_u9p7[1]	22144		
t_EOTEnterGainVspd_Kph_u9p7[2]	22272		
t_EOTEnterGainVspd_Kph_u9p7[3]	22400		
t_SpdIptTblXTbl_HwDeg_u12p4[0]	528		
t_SpdIptTblXTbl_HwDeg_u12p4[1]	672		
t_SpdIptTblYTbl_MtrRadpS_u12p4[0]	608		
t_SpdIptTblYTbl_MtrRadpS_u12p4[1]	992		
t_TrqTableX_HwNm_u8p8[0]	512		
t_TrqTableX_HwNm_u8p8[1]	1024		
t_TrqTblY_Uls_u2p14[0]	393		
t_TrqTblY_Uls_u2p14[1]	475		
target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value	-440.040985		
target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value	1		
target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value	1300.46997		
target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value	0		
target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value	0		
target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value	0.569999993		
target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value	-111.456001		
target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value	-6.5		
target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value	-0.00499999989		
target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value	0.0219999999		
target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value	0		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32	target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls_f32	target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32	target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_lgc	target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Uls_f32	target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32	target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm_f32	target_EOTActuatorMng_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32	target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32	target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph_f32	target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	4.35682011	4.35682011 ± 0.0000390625	✔
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	255	255 ± 0.0000390625	✔
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	1035985678	1035985678 ± 1	✔
EOTActuatorMng_FiltHwTrqSV_HwNm_M_s7p24	116959744	116959744 ± 1	✔
EOTActuatorMng_OutputRampMultLtd_M_f32	0.0219999999	0.0219999999 ± 0.00390625	✔
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.482391357	0.482391357 ± 0.0625	✔
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED	SES_DISABLED	✔
target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value	4.35682011	4.35682011 ± 0.00048828125	✔
target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value	0.482391357	0.482391357 ± 0.0000390625	✔
target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value	0.844127178	0.844127178 ± 0.00048828125	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	✓
EOTDetermination	1	EOTDetermination	1	✓
EOTOrigImpact	1	EOTOrigImpact	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_DetLmtPos	1	SES_DetLmtPos	1	✓
SES_CalcExitGain	1	SES_CalcExitGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_CalcEnterGain	1	SES_CalcEnterGain	1	✓
BilinearXMYM_u16_u16XMu16YM_Cnt	1	BilinearXMYM_u16_u16XMu16YM_Cnt	1	✓
SES_CalcEOTGain	1	SES_CalcEOTGain	1	✓
SES_FiltEOTGain	1	SES_FiltEOTGain	1	✓
SES_CalcEOTDamp	1	SES_CalcEOTDamp	1	✓
BilinearXMYM_u16_u16XMu16YM_Cnt	1	BilinearXMYM_u16_u16XMu16YM_Cnt	1	✓
SES_StateCtrl	1	SES_StateCtrl	1	✓
Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	✓

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EOTActuatorMng\_Per1

## Test Step 2.30 (Repeat Count = 1)



Name	Input Value
EOTActuatorMng_Damping_MtrNm_M_f32	4.80000019
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	454.779999
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	944892805
EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24	-100663296
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.560000002
EOTActuatorMng_SESSState_Uls_M_enum	SES_ENTERING
Rte_Inst_Ap_EOTActuatorMng	target_Rte_Inst_Ap_EOTActuatorMng
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.273000002
k_EOTDefltPosition_HwDeg_u12p4	5680
k_EOTDeltaTrqThrsh_HwNm_u9p7	896
k_EOTDynConf_Uls_u8p8	15360
k_EOTEnterLPFKn_Cnt_u16	464
k_EOTExitLPFKn_Cnt_u16	8888
k_EOTImpSpdEn_Kph_u9p7	9088
k_EOTOriginalImpactandSoftEnd_Cnt_lgc	1
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32	125.639999
k_EOTStateHwTrqLPFKn_Cnt_u16	8456
k_MaxRackTrvl_HwDeg_u12p4	2336
k_MinRackTrvl_HwDeg_u12p4	10656
k_PosRampStep_HwDeg_u12p4	12432
k_SoftStopEOTEnable_Cnt_lgc	1
k_SpdIptScale_MtrNmpRadps_u4p12	92
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	1584
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	4736
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	4752
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	4768
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	944
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	2816
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	2832
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	2848
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1584
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	4736
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	4752
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	4768
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	2224
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	6656
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	6672
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	6688
t2_EOTEnterGainY_Uls_u1p15[0][0]	7
t2_EOTEnterGainY_Uls_u1p15[0][1]	8
t2_EOTEnterGainY_Uls_u1p15[0][2]	98
t2_EOTEnterGainY_Uls_u1p15[0][3]	954
t2_EOTEnterGainY_Uls_u1p15[1][0]	9
t2_EOTEnterGainY_Uls_u1p15[1][1]	10
t2_EOTEnterGainY_Uls_u1p15[1][2]	157
t2_EOTEnterGainY_Uls_u1p15[1][3]	1524
t2_EOTEnterGainY_Uls_u1p15[2][0]	5
t2_EOTEnterGainY_Uls_u1p15[2][1]	6
t2_EOTEnterGainY_Uls_u1p15[2][2]	39
t2_EOTEnterGainY_Uls_u1p15[2][3]	383
t2_EOTEnterGainY_Uls_u1p15[3][0]	954
t2_EOTEnterGainY_Uls_u1p15[3][1]	98
t2_EOTEnterGainY_Uls_u1p15[3][2]	7
t2_EOTEnterGainY_Uls_u1p15[3][3]	8
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	440
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	624
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	73
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	516
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	319
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	452
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	66
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	471
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	800
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	4336
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	1312
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	752
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	352
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	3472
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	640
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	4016



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Name	Input Value		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]	99		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]	698		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]	92		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]	130		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]	698		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]	983		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]	92		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]	130		
t_EOTDmpVspd_Kph_u9p7[0]	7552		
t_EOTDmpVspd_Kph_u9p7[1]	22528		
t_EOTDmpVspd_Kph_u9p7[2]	22656		
t_EOTDmpVspd_Kph_u9p7[3]	22784		
t_EOTEnterGainVspd_Kph_u9p7[0]	7552		
t_EOTEnterGainVspd_Kph_u9p7[1]	22528		
t_EOTEnterGainVspd_Kph_u9p7[2]	22656		
t_EOTEnterGainVspd_Kph_u9p7[3]	22784		
t_SpdIptTblXTbl_HwDeg_u12p4[0]	544		
t_SpdIptTblXTbl_HwDeg_u12p4[1]	688		
t_SpdIptTblYTbl_MtrRadpS_u12p4[0]	624		
t_SpdIptTblYTbl_MtrRadpS_u12p4[1]	1008		
t_TrqTableX_HwNm_u8p8[0]	0		
t_TrqTableX_HwNm_u8p8[1]	256		
t_TrqTblY_Uls_u2p14[0]	410		
t_TrqTblY_Uls_u2p14[1]	492		
target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value	-555.570007		
target_EOTActuatorMng_Per1_CcwFound_Cnt_Igc.value	0		
target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value	1311.89001		
target_EOTActuatorMng_Per1_CwFound_Cnt_Igc.value	1		
target_EOTActuatorMng_Per1_EOTDisable_Cnt_Igc.value	1		
target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value	0.680000007		
target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value	222.449997		
target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value	7.5		
target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value	0.00600000005		
target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value	0.920000017		
target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value	511.992188		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32	target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls_f32	target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32	target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_Cnt_Igc	target_EOTActuatorMng_Per1_CcwFound_Cnt_Igc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_Igc	target_EOTActuatorMng_Per1_CwFound_Cnt_Igc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_Igc	target_EOTActuatorMng_Per1_EOTDisable_Cnt_Igc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Uls_f32	target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32	target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm_f32	target_EOTActuatorMng_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32	target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32	target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph_f32	target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	4.54872036	4.54871988 ± 0.0000390625	✔
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	454.779999	454.779999 ± 0.0000390625	✔
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	938207029	938207029 ± 1	✔
EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24	-71439360	-71439360 ± 1	✔
EOTActuatorMng_OutputRampMultLtd_M_f32	0.920000017	0.920000017 ± 0.00390625	✔
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.436859131	0.436859131 ± 0.0625	✔
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED	SES_DISABLED	✔
target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value	4.54872036	4.54871988 ± 0.00048828125	✔
target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value	0.436859131	0.436859131 ± 0.0000390625	✔
target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value	8.80000019	8.80000019 ± 0.00048828125	✔



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EOTActuatorMng\_Per1

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	✓
EOTDetermination	1	EOTDetermination	1	✓
SES_DetLmtPos	1	SES_DetLmtPos	1	✓
SES_CalcExitGain	1	SES_CalcExitGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_CalcEnterGain	1	SES_CalcEnterGain	1	✓
BilinearXMYM_u16_u16XM_u16YM_Cnt	1	BilinearXMYM_u16_u16XM_u16YM_Cnt	1	✓
SES_CalcEOTGain	1	SES_CalcEOTGain	1	✓
SES_FiltEOTGain	1	SES_FiltEOTGain	1	✓
SES_CalcEOTDamp	1	SES_CalcEOTDamp	1	✓
BilinearXMYM_u16_u16XM_u16YM_Cnt	1	BilinearXMYM_u16_u16XM_u16YM_Cnt	1	✓
SES_StateCtrl	1	SES_StateCtrl	1	✓
Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	✓

Test Step 2.31 (Repeat Count = 1)	
Name	Input Value
EOTActuatorMng_Damping_MtrNm_M_f32	5
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	890.650024
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	708669604
EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24	100663296
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.560000002
EOTActuatorMng_SESSState_Uls_M_enum	SES_NORMAL
Rte_Inst_Ap_EOTActuatorMng	target_Rte_Inst_Ap_EOTActuatorMng
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.875999987
k_EOTDefltPosition_HwDeg_u12p4	7280
k_EOTDeltaTrqThrsh_HwNm_u9p7	768
k_EOTDynConf_Uls_u8p8	0
k_EOTEnterLPFKn_Cnt_u16	3356
k_EOTExitLPFKn_Cnt_u16	9999
k_EOTImpSpdEn_Kph_u9p7	9216
k_EOTOriginalImpactandSoftEnd_Cnt_lgc	0
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32	129.690002
k_EOTStateHwTrqLPFKn_Cnt_u16	4765
k_MaxRackTrvl_HwDeg_u12p4	2352
k_MinRackTrvl_HwDeg_u12p4	14208
k_PosRampStep_HwDeg_u12p4	10656
k_SoftStopEOTEnable_Cnt_lgc	1
k_SpdIptScale_MtrNmpRadps_u4p12	92
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	1600
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	4784
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	4800
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	4816
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	960
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	2864
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	2880
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	2896
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1600
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	4784
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	4800
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	4816
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	2240
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	6704
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	6720
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	6736
t2_EOTEnterGainY_Uls_u1p15[0][0]	8
t2_EOTEnterGainY_Uls_u1p15[0][1]	8
t2_EOTEnterGainY_Uls_u1p15[0][2]	108
t2_EOTEnterGainY_Uls_u1p15[0][3]	1049
t2_EOTEnterGainY_Uls_u1p15[1][0]	10
t2_EOTEnterGainY_Uls_u1p15[1][1]	10
t2_EOTEnterGainY_Uls_u1p15[1][2]	167
t2_EOTEnterGainY_Uls_u1p15[1][3]	1619
t2_EOTEnterGainY_Uls_u1p15[2][0]	6
t2_EOTEnterGainY_Uls_u1p15[2][1]	6
t2_EOTEnterGainY_Uls_u1p15[2][2]	49
t2_EOTEnterGainY_Uls_u1p15[2][3]	478
t2_EOTEnterGainY_Uls_u1p15[3][0]	1049
t2_EOTEnterGainY_Uls_u1p15[3][1]	108

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Name	Input Value		
t2_EOTEnterGainY_Uls_u1p15[3][2]	8		
t2_EOTEnterGainY_Uls_u1p15[3][3]	8		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	77		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	108		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	365		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	517		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	32		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	44		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	365		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	517		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	320		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	800		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	320		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	0		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	4480		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	5760		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	672		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	4032		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]	4		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]	713		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]	102		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]	452		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]	713		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]	935		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]	102		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]	452		
t_EOTDmpVspd_Kph_u9p7[0]	7680		
t_EOTDmpVspd_Kph_u9p7[1]	22912		
t_EOTDmpVspd_Kph_u9p7[2]	23040		
t_EOTDmpVspd_Kph_u9p7[3]	23168		
t_EOTEnterGainVspd_Kph_u9p7[0]	7680		
t_EOTEnterGainVspd_Kph_u9p7[1]	22912		
t_EOTEnterGainVspd_Kph_u9p7[2]	23040		
t_EOTEnterGainVspd_Kph_u9p7[3]	23168		
t_SpdIptTblXTbl_HwDeg_u12p4[0]	320		
t_SpdIptTblXTbl_HwDeg_u12p4[1]	704		
t_SpdIptTblYTbl_MtrRadpS_u12p4[0]	640		
t_SpdIptTblYTbl_MtrRadpS_u12p4[1]	1024		
t_TrqTableX_HwNm_u8p8[0]	0		
t_TrqTableX_HwNm_u8p8[1]	1536		
t_TrqTblY_Uls_u2p14[0]	426		
t_TrqTblY_Uls_u2p14[1]	508		
target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value	-550.164001		
target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value	1		
target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value	1400.67004		
target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value	1		
target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value	0		
target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value	0.790000021		
target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value	-222.414001		
target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value	-7.5		
target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value	-0.00700000022		
target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value	0.493999988		
target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value	70.0999985		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32	target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls_f32	target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32	target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_lgc	target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Uls_f32	target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_Hwl	target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm_f	target_EOTActuatorMng_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadpS	target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_OutputRampMultLtd	target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph	target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	4.74062014	4.74062014 ± 0.0000390625	✔
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	890.650024	890.650024 ± 0.0000390625	✔
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	676062708	676062708 ± 1	✔
EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24	102493056	102493056 ± 1	✔
EOTActuatorMng_OutputRampMultLtd_M_f32	0.493999988	0.493999988 ± 0.00390625	✔

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Name	Actual Value	Expected Value	Result
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.314788818	0.314788818 ± 0.0625	✓
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL	SES_NORMAL	✓
target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value	4.74062014	4.74062014 ± 0.00048828125	✓
target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value	0.314788818	0.314788818 ± 0.0000390625	✓
target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value	8.80000019	8.80000019 ± 0.00048828125	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	✓
EOTDetermination	1	EOTDetermination	1	✓
SES_DetLmtPos	1	SES_DetLmtPos	1	✓
SES_CalcExitGain	1	SES_CalcExitGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_CalcEnterGain	1	SES_CalcEnterGain	1	✓
BilinearXMYM_u16_u16XMu16YM_Cnt	1	BilinearXMYM_u16_u16XMu16YM_Cnt	1	✓
SES_CalcEOTGain	1	SES_CalcEOTGain	1	✓
SES_FiltEOTGain	1	SES_FiltEOTGain	1	✓
SES_CalcEOTDamp	1	SES_CalcEOTDamp	1	✓
BilinearXMYM_u16_u16XMu16YM_Cnt	1	BilinearXMYM_u16_u16XMu16YM_Cnt	1	✓
SES_StateCtrl	1	SES_StateCtrl	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	2	IntplVarXY_u16_u16Xu16Y_Cnt	2	✓
Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	✓

Test Step 2.32 (Repeat Count = 1)	
Name	Input Value
EOTActuatorMng_Damping_MtrNm_M_f32	5.19999981
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	0
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	472446403
EOTActuatorMng_FiltHwTrqSV_HwNm_M_s7p24	-83886080
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.449999988
EOTActuatorMng_SESState_Uls_M_enum	SES_ENTERING
Rte_Inst_Ap_EOTActuatorMng	target_Rte_Inst_Ap_EOTActuatorMng
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.349000007
k_EOTDefltPosition_HwDeg_u12p4	8880
k_EOTDeltaTrqThrsh_HwNm_u9p7	640
k_EOTDynConf_Uls_u8p8	20480
k_EOTEnterLPFKn_Cnt_u16	7544
k_EOTExitLPFKn_Cnt_u16	543
k_EOTImpSpdEn_Kph_u9p7	3968
k_EOTOriginalImpactandSoftEnd_Cnt_lgc	1
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32	133.740005
k_EOTStateHwTrqLPFKn_Cnt_u16	7464
k_MaxRackTrvl_HwDeg_u12p4	2368
k_MinRackTrvl_HwDeg_u12p4	15984
k_PosRampStep_HwDeg_u12p4	8880
k_SoftStopEOTEnable_Cnt_lgc	1
k_SpdIptScale_MtrNmpRadpS_u4p12	93
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	1616
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	4832
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	4848
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	4864
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	976
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	2912
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	2928
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	2944
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1616
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	4832
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	4848
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	4864
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	2256
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	6752
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	6768
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	6784
t2_EOTEnterGainY_Uls_u1p15[0][0]	8
t2_EOTEnterGainY_Uls_u1p15[0][1]	9
t2_EOTEnterGainY_Uls_u1p15[0][2]	118
t2_EOTEnterGainY_Uls_u1p15[0][3]	1144
t2_EOTEnterGainY_Uls_u1p15[1][0]	10
t2_EOTEnterGainY_Uls_u1p15[1][1]	10
t2_EOTEnterGainY_Uls_u1p15[1][2]	176

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Name	Input Value
t2_EOTEnterGainY_Uls_u1p15[1][3]	1714
t2_EOTEnterGainY_Uls_u1p15[2][0]	6
t2_EOTEnterGainY_Uls_u1p15[2][1]	7
t2_EOTEnterGainY_Uls_u1p15[2][2]	59
t2_EOTEnterGainY_Uls_u1p15[2][3]	573
t2_EOTEnterGainY_Uls_u1p15[3][0]	1144
t2_EOTEnterGainY_Uls_u1p15[3][1]	118
t2_EOTEnterGainY_Uls_u1p15[3][2]	8
t2_EOTEnterGainY_Uls_u1p15[3][3]	9
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	92
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	130
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	380
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	538
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	16
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	22
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	77
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	108
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	336
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	960
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	3200
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	4800
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	3520
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	5760
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	704
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	4048
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	103
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	728
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	122
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	173
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	728
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	964
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	122
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	173
t_EOTDmpVspd_Kph_u9p7[0]	7808
t_EOTDmpVspd_Kph_u9p7[1]	23296
t_EOTDmpVspd_Kph_u9p7[2]	23424
t_EOTDmpVspd_Kph_u9p7[3]	23552
t_EOTEnterGainVspd_Kph_u9p7[0]	7808
t_EOTEnterGainVspd_Kph_u9p7[1]	23296
t_EOTEnterGainVspd_Kph_u9p7[2]	23424
t_EOTEnterGainVspd_Kph_u9p7[3]	23552
t_SpdIptTblXTbl_HwDeg_u12p4[0]	336
t_SpdIptTblXTbl_HwDeg_u12p4[1]	720
t_SpdIptTblYTbl_MtrRadps_u12p4[0]	656
t_SpdIptTblYTbl_MtrRadps_u12p4[1]	1040
t_TrqTableX_HwNm_u8p8[0]	1024
t_TrqTableX_HwNm_u8p8[1]	1280
t_TrqTblY_Uls_u2p14[0]	442
t_TrqTblY_Uls_u2p14[1]	524
target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value	-666.47998
target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value	0
target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value	1405.15002
target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value	1
target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value	1
target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value	1
target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value	333.256989
target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value	8.5
target_EOTActuatorMng_Per1_MotorVel_MtrRadps_f32.value	-150
target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value	0.291999996
target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value	11.052
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDamping	target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls	target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit_MtrI	target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f3	target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CwFound_Cnt_lgc
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_lgc	target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Uls	target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_Hw	target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm_f	target_EOTActuatorMng_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadps	target_EOTActuatorMng_Per1_MotorVel_MtrRadps_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_OutputRampMultLtd	target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32

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Name	Input Value		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph_	target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	4.93251991	4.93251991 ± 0.0000390625	✓
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	0	0 ± 0.0000390625	✓
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	426699587	426699587 ± 1	✓
EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24	-58090496	-58090496 ± 1	✓
EOTActuatorMng_OutputRampMultLtd_M_f32	0.291999996	0.291999996 ± 0.00390625	✓
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.198669434	0.198669434 ± 0.0625	✓
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED	SES_DISABLED	✓
target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value	4.93251991	4.93251991 ± 0.00048828125	✓
target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value	0.198669434	0.198669434 ± 0.0000390625	✓
target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value	8.80000019	8.80000019 ± 0.00048828125	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	✓
EOTDetermination	1	EOTDetermination	1	✓
SES_DetLmtPos	1	SES_DetLmtPos	1	✓
SES_CalcExitGain	1	SES_CalcExitGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_CalcEnterGain	1	SES_CalcEnterGain	1	✓
BilinearXMYM_u16_u16XM_u16YM_Cnt	1	BilinearXMYM_u16_u16XM_u16YM_Cnt	1	✓
SES_CalcEOTGain	1	SES_CalcEOTGain	1	✓
SES_FiltEOTGain	1	SES_FiltEOTGain	1	✓
SES_CalcEOTDamp	1	SES_CalcEOTDamp	1	✓
BilinearXMYM_u16_u16XM_u16YM_Cnt	1	BilinearXMYM_u16_u16XM_u16YM_Cnt	1	✓
SES_StateCtrl	1	SES_StateCtrl	1	✓
Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	✓

Test Step 2.33 (Repeat Count = 1)	
Name	Input Value
EOTActuatorMng_Damping_MtrNm_M_f32	5.4000001
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	1440.10999
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	236223201
EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24	83886080
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.340000004
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL
Rte_Inst_Ap_EOTActuatorMng	target_Rte_Inst_Ap_EOTActuatorMng
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.388000011
k_EOTDefltPosition_HwDeg_u12p4	10480
k_EOTDeltaTrqThrsh_HwNm_u9p7	1152
k_EOTDynConf_Uls_u8p8	23040
k_EOTEnterLPFkn_Cnt_u16	3564
k_EOTExitLPFkn_Cnt_u16	3355
k_EOTImpSpdEn_Kph_u9p7	4096
k_EOTOriginalImpactandSoftEnd_Cnt_lgc	0
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32	137.789993
k_EOTStateHwTrqLPFkn_Cnt_u16	1111
k_MaxRackTrvl_HwDeg_u12p4	2384
k_MinRackTrvl_HwDeg_u12p4	7312
k_PosRampStep_HwDeg_u12p4	7104
k_SoftStopEOTEnable_Cnt_lgc	0
k_SpdLptScale_MtrNmpRadpS_u4p12	93
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	1632
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	4880
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	4896
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	4912
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	992
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	2960
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	2976
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	2992
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1632
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	4880
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	4896
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	4912
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	2272
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	6800
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	6816
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	6832
t2_EOTEnterGainY_Uls_u1p15[0][0]	8

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Name	Input Value
t2_EOTEnterGainY_Uls_u1p15[0][1]	9
t2_EOTEnterGainY_Uls_u1p15[0][2]	127
t2_EOTEnterGainY_Uls_u1p15[0][3]	1239
t2_EOTEnterGainY_Uls_u1p15[1][0]	10
t2_EOTEnterGainY_Uls_u1p15[1][1]	11
t2_EOTEnterGainY_Uls_u1p15[1][2]	186
t2_EOTEnterGainY_Uls_u1p15[1][3]	1809
t2_EOTEnterGainY_Uls_u1p15[2][0]	6
t2_EOTEnterGainY_Uls_u1p15[2][1]	7
t2_EOTEnterGainY_Uls_u1p15[2][2]	69
t2_EOTEnterGainY_Uls_u1p15[2][3]	668
t2_EOTEnterGainY_Uls_u1p15[3][0]	1239
t2_EOTEnterGainY_Uls_u1p15[3][1]	127
t2_EOTEnterGainY_Uls_u1p15[3][2]	8
t2_EOTEnterGainY_Uls_u1p15[3][3]	9
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	4
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	26
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	395
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	560
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	62
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	87
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	92
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	130
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	352
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	1440
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	3360
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	4960
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	4640
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	5760
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	784
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	4064
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]	105
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]	740
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]	137
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]	194
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]	74
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]	105
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]	137
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]	194
t_EOTDmpVspd_Kph_u9p7[0]	7936
t_EOTDmpVspd_Kph_u9p7[1]	23680
t_EOTDmpVspd_Kph_u9p7[2]	23808
t_EOTDmpVspd_Kph_u9p7[3]	23936
t_EOTEnterGainVspd_Kph_u9p7[0]	7936
t_EOTEnterGainVspd_Kph_u9p7[1]	23680
t_EOTEnterGainVspd_Kph_u9p7[2]	23808
t_EOTEnterGainVspd_Kph_u9p7[3]	23936
t_SpdIptTblXTbl_HwDeg_u12p4[0]	352
t_SpdIptTblXTbl_HwDeg_u12p4[1]	736
t_SpdIptTblYTbl_MtrRadpS_u12p4[0]	672
t_SpdIptTblYTbl_MtrRadpS_u12p4[1]	1056
t_TrqTableX_HwNm_u8p8[0]	512
t_TrqTableX_HwNm_u8p8[1]	1024
t_TrqTblY_Uls_u2p14[0]	459
t_TrqTblY_Uls_u2p14[1]	541
target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value	-660.487
target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value	1
target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value	765.340027
target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value	0
target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value	0
target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value	1
target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value	-333.140991
target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value	-8.5
target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value	250
target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value	0.55400002
target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value	12.5220003
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDamping	target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls	target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit_MtrNm	target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CwFound_Cnt_lgc

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Name	Input Value
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_lgc	target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Uls_f32	target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32	target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm_f32	target_EOTActuatorMng_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32	target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32	target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph_f32	target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32

Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	5.12442017	5.12442017 ± 0.0000390625	✓
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	996.109985	996.109985 ± 0.0000390625	✓
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	223407057	223407057 ± 1	✓
EOTActuatorMng_FiltHWTqSV_HwNm_M_s7p24	84881536	84881536 ± 1	✓
EOTActuatorMng_OutputRampMultLtd_M_f32	0.55400002	0.55400002 ± 0.00390625	✓
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.104003906	0.104003906 ± 0.0625	✓
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED	SES_DISABLED	✓
target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value	5.12442017	5.12442017 ± 0.00048828125	✓
target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value	0.104003906	0.104003906 ± 0.0000390625	✓
target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value	0	0 ± 0.00048828125	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	✓
EOTDetermination	1	EOTDetermination	1	✓
EOTOrigImpact	1	EOTOrigImpact	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_DetLmtPos	1	SES_DetLmtPos	1	✓
SES_CalcExitGain	1	SES_CalcExitGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_CalcEnterGain	1	SES_CalcEnterGain	1	✓
BilinearXYMY_u16_u16XM_u16YM_Cnt	1	BilinearXYMY_u16_u16XM_u16YM_Cnt	1	✓
SES_CalcEOTGain	1	SES_CalcEOTGain	1	✓
SES_FiltEOTGain	1	SES_FiltEOTGain	1	✓
SES_CalcEOTDamp	1	SES_CalcEOTDamp	1	✓
BilinearXYMY_u16_u16XM_u16YM_Cnt	1	BilinearXYMY_u16_u16XM_u16YM_Cnt	1	✓
SES_StateCtrl	1	SES_StateCtrl	1	✓
Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	✓

Test Step 2.34 (Repeat Count = 1)	
Name	Input Value
EOTActuatorMng_Damping_MtrNm_M_f32	5.5999999
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	300.200012
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	1932735283
EOTActuatorMng_FiltHWTqSV_HwNm_M_s7p24	-67108864
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.230000004
EOTActuatorMng_SESState_Uls_M_enum	SES_ENTERING
Rte_Inst_Ap_EOTActuatorMng	target_Rte_Inst_Ap_EOTActuatorMng
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.217999995
k_EOTDefltPosition_HwDeg_u12p4	12080
k_EOTDeltaTrqThrsh_HwNm_u9p7	1024
k_EOTDynConf_Uls_u8p8	25600
k_EOTEnterLPFkn_Cnt_u16	6543
k_EOTExitLPFkn_Cnt_u16	3535
k_EOTImpSpdEn_Kph_u9p7	4224
k_EOTOriginalImpactandSoftEnd_Cnt_lgc	1
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32	141.839996
k_EOTStateHwTrqLPFkn_Cnt_u16	2537
k_MaxRackTrvl_HwDeg_u12p4	2400
k_MinRackTrvl_HwDeg_u12p4	12064
k_PosRampStep_HwDeg_u12p4	5328
k_SoftStopEOTEnable_Cnt_lgc	1
k_SpdIptScale_MtrNmpRadpS_u4p12	93
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	544
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	1616
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	1632
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	1648
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	1008
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	3008
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	3024
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	3040
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1648



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Name	Input Value
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	4928
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	4944
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	4960
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	2288
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	6848
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	6864
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	6880
t2_EOTEnterGainY_Uls_u1p15[0][0]	9
t2_EOTEnterGainY_Uls_u1p15[0][1]	9
t2_EOTEnterGainY_Uls_u1p15[0][2]	137
t2_EOTEnterGainY_Uls_u1p15[0][3]	1334
t2_EOTEnterGainY_Uls_u1p15[1][0]	5
t2_EOTEnterGainY_Uls_u1p15[1][1]	5
t2_EOTEnterGainY_Uls_u1p15[1][2]	196
t2_EOTEnterGainY_Uls_u1p15[1][3]	1930
t2_EOTEnterGainY_Uls_u1p15[2][0]	7
t2_EOTEnterGainY_Uls_u1p15[2][1]	7
t2_EOTEnterGainY_Uls_u1p15[2][2]	78
t2_EOTEnterGainY_Uls_u1p15[2][3]	763
t2_EOTEnterGainY_Uls_u1p15[3][0]	1334
t2_EOTEnterGainY_Uls_u1p15[3][1]	137
t2_EOTEnterGainY_Uls_u1p15[3][2]	9
t2_EOTEnterGainY_Uls_u1p15[3][3]	9
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	122
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	173
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	380
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	538
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	77
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	108
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	4
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	26
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	160
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	480
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	4800
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	5760
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	1760
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	2672
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	768
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	4080
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]	11
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]	76
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]	153
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]	216
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]	76
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]	108
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]	153
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]	216
t_EOTDmpVspd_Kph_u9p7[0]	8064
t_EOTDmpVspd_Kph_u9p7[1]	24064
t_EOTDmpVspd_Kph_u9p7[2]	24192
t_EOTDmpVspd_Kph_u9p7[3]	24320
t_EOTEnterGainVspd_Kph_u9p7[0]	8064
t_EOTEnterGainVspd_Kph_u9p7[1]	24064
t_EOTEnterGainVspd_Kph_u9p7[2]	24192
t_EOTEnterGainVspd_Kph_u9p7[3]	24320
t_SpdIptTblXTbl_HwDeg_u12p4[0]	368
t_SpdIptTblXTbl_HwDeg_u12p4[1]	752
t_SpdIptTblYTbl_MtrRadpS_u12p4[0]	688
t_SpdIptTblYTbl_MtrRadpS_u12p4[1]	1072
t_TrqTableX_HwNm_u8p8[0]	1792
t_TrqTableX_HwNm_u8p8[1]	2304
t_TrqTblY_Uls_u2p14[0]	475
t_TrqTblY_Uls_u2p14[1]	557
target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value	-777.370972
target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value	0
target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value	876.583984
target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value	1
target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value	1
target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value	1
target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value	444.458008
target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value	9.5
target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value	-250
target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value	0.995000005



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EOTActuatorMng\_Per1

Name	Input Value
target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value	13.0539999
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32	target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls	target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32	target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CwFound_Cnt_lgc
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_lgc	target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Uls	target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_HwNm_f32	target_EOTActuatorMng_Per1_HandWheelPos_HwNm_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm_f32	target_EOTActuatorMng_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32	target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32	target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph_f32	target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32

Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	5.31631994	5.31631994 ± 0.0000390625	✓
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	300.200012	300.200012 ± 0.0000390625	✓
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	1748504032	1748504032 ± 1	✓
EOTActuatorMng_FiltHWTqSV_HwNm_M_s7p24	-58340992	-58340992 ± 1	✓
EOTActuatorMng_OutputRampMultLtd_M_f32	0.995000005	0.995000005 ± 0.00390625	✓
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.814208984	0.814208984 ± 0.0625	✓
EOTActuatorMng_SESSState_Uls_M_enum	SES_DISABLED	SES_DISABLED	✓
target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value	5.31631994	5.31631994 ± 0.00048828125	✓
target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value	0.814208984	0.814208984 ± 0.0000390625	✓
target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value	8.80000019	8.80000019 ± 0.00048828125	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	✓
EOTDetermination	1	EOTDetermination	1	✓
SES_DetLmtPos	1	SES_DetLmtPos	1	✓
SES_CalcExitGain	1	SES_CalcExitGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_CalcEnterGain	1	SES_CalcEnterGain	1	✓
BilinearXMYM_u16_u16XM_u16YM_Cnt	1	BilinearXMYM_u16_u16XM_u16YM_Cnt	1	✓
SES_CalcEOTGain	1	SES_CalcEOTGain	1	✓
SES_FiltEOTGain	1	SES_FiltEOTGain	1	✓
SES_CalcEOTDamp	1	SES_CalcEOTDamp	1	✓
BilinearXMYM_u16_u16XM_u16YM_Cnt	1	BilinearXMYM_u16_u16XM_u16YM_Cnt	1	✓
SES_StateCtrl	1	SES_StateCtrl	1	✓
Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	✓

Test Step 2.35 (Repeat Count = 1)	
Name	Input Value
EOTActuatorMng_Damping_MtrNm_M_f32	5.80000019
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	466.350006
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	1717986918
EOTActuatorMng_FiltHWTqSV_HwNm_M_s7p24	-167772160
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.119999997
EOTActuatorMng_SESSState_Uls_M_enum	SES_NORMAL
Rte_Inst_Ap_EOTActuatorMng	target_Rte_Inst_Ap_EOTActuatorMng
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.595000029
k_EOTDefltPosition_HwDeg_u12p4	7632
k_EOTDeltaTrqThrsh_HwNm_u9p7	896
k_EOTDynConf_Uls_u8p8	0
k_EOTEnterLPFKn_Cnt_u16	7567
k_EOTExitLPFKn_Cnt_u16	8534
k_EOTImpSpdEn_Kph_u9p7	4352
k_EOTOriginalImpactandSoftEnd_Cnt_lgc	0
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32	145.889999
k_EOTStateHwTrqLPFKn_Cnt_u16	7454
k_MaxRackTrvl_HwDeg_u12p4	2416
k_MinRackTrvl_HwDeg_u12p4	10848
k_PosRampStep_HwDeg_u12p4	3552
k_SoftStopEOTEnable_Cnt_lgc	1
k_SpdPtScale_MtrNmpRadpS_u4p12	93
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	560
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	1664
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	1680

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Name	Input Value
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	1696
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	1024
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	3056
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	3072
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	3088
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1664
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	4976
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	4992
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	5008
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	2304
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	6896
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	6912
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	6928
t2_EOTEnterGainY_Uls_u1p15[0][0]	5
t2_EOTEnterGainY_Uls_u1p15[0][1]	6
t2_EOTEnterGainY_Uls_u1p15[0][2]	29
t2_EOTEnterGainY_Uls_u1p15[0][3]	288
t2_EOTEnterGainY_Uls_u1p15[1][0]	5
t2_EOTEnterGainY_Uls_u1p15[1][1]	6
t2_EOTEnterGainY_Uls_u1p15[1][2]	290
t2_EOTEnterGainY_Uls_u1p15[1][3]	2880
t2_EOTEnterGainY_Uls_u1p15[2][0]	7
t2_EOTEnterGainY_Uls_u1p15[2][1]	8
t2_EOTEnterGainY_Uls_u1p15[2][2]	88
t2_EOTEnterGainY_Uls_u1p15[2][3]	859
t2_EOTEnterGainY_Uls_u1p15[3][0]	288
t2_EOTEnterGainY_Uls_u1p15[3][1]	29
t2_EOTEnterGainY_Uls_u1p15[3][2]	5
t2_EOTEnterGainY_Uls_u1p15[3][3]	6
t2_EOTExPosDepDmpTbly_MtrNmpRadps_u0p16[0][0]	137
t2_EOTExPosDepDmpTbly_MtrNmpRadps_u0p16[0][1]	194
t2_EOTExPosDepDmpTbly_MtrNmpRadps_u0p16[1][0]	77
t2_EOTExPosDepDmpTbly_MtrNmpRadps_u0p16[1][1]	108
t2_EOTExPosDepDmpTbly_MtrNmpRadps_u0p16[2][0]	92
t2_EOTExPosDepDmpTbly_MtrNmpRadps_u0p16[2][1]	130
t2_EOTExPosDepDmpTbly_MtrNmpRadps_u0p16[3][0]	122
t2_EOTExPosDepDmpTbly_MtrNmpRadps_u0p16[3][1]	173
t2_EOTPosDepDmpTbly_HwDeg_u12p4[0][0]	1600
t2_EOTPosDepDmpTbly_HwDeg_u12p4[0][1]	3200
t2_EOTPosDepDmpTbly_HwDeg_u12p4[1][0]	3200
t2_EOTPosDepDmpTbly_HwDeg_u12p4[1][1]	5760
t2_EOTPosDepDmpTbly_HwDeg_u12p4[2][0]	4800
t2_EOTPosDepDmpTbly_HwDeg_u12p4[2][1]	5760
t2_EOTPosDepDmpTbly_HwDeg_u12p4[3][0]	800
t2_EOTPosDepDmpTbly_HwDeg_u12p4[3][1]	4096
t2_EOTPosDepDmpTbly_MtrNmpRadps_u0p16[0][0]	9
t2_EOTPosDepDmpTbly_MtrNmpRadps_u0p16[0][1]	618
t2_EOTPosDepDmpTbly_MtrNmpRadps_u0p16[1][0]	168
t2_EOTPosDepDmpTbly_MtrNmpRadps_u0p16[1][1]	237
t2_EOTPosDepDmpTbly_MtrNmpRadps_u0p16[2][0]	274
t2_EOTPosDepDmpTbly_MtrNmpRadps_u0p16[2][1]	388
t2_EOTPosDepDmpTbly_MtrNmpRadps_u0p16[3][0]	168
t2_EOTPosDepDmpTbly_MtrNmpRadps_u0p16[3][1]	237
t_EOTDmpVspd_Kph_u9p7[0]	8192
t_EOTDmpVspd_Kph_u9p7[1]	24448
t_EOTDmpVspd_Kph_u9p7[2]	24576
t_EOTDmpVspd_Kph_u9p7[3]	24704
t_EOTEnterGainVspd_Kph_u9p7[0]	8192
t_EOTEnterGainVspd_Kph_u9p7[1]	24448
t_EOTEnterGainVspd_Kph_u9p7[2]	24576
t_EOTEnterGainVspd_Kph_u9p7[3]	24704
t_SpdIptTblyTbly_HwDeg_u12p4[0]	384
t_SpdIptTblyTbly_HwDeg_u12p4[1]	768
t_SpdIptTblyTbly_MtrRadps_u12p4[0]	704
t_SpdIptTblyTbly_MtrRadps_u12p4[1]	1088
t_TrqTableX_HwNm_u8p8[0]	1792
t_TrqTableX_HwNm_u8p8[1]	2048
t_TrqTbly_Uls_u2p14[0]	492
t_TrqTbly_Uls_u2p14[1]	573
target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value	-770.85199
target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value	1
target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value	987.344971
target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value	1

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Name	Input Value
target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value	0
target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value	0.479999989
target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value	-444.540009
target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value	-9.5
target_EOTActuatorMng_Per1_MotorVel_MtrRadps_f32.value	350
target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value	0.952000022
target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value	14.0419998
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32	target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls_f32	target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32	target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CwFound_Cnt_lgc
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_lgc	target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Uls_f32	target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32	target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm_f32	target_EOTActuatorMng_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadps_f32	target_EOTActuatorMng_Per1_MotorVel_MtrRadps_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32	target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph_f32	target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32

Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	5.5082202	5.5082202 ± 0.0000390625	✓
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	466.350006	466.350006 ± 0.0000390625	✓
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	1521804876	1521804876 ± 1	✓
EOTActuatorMng_FiltHwTrqSV_HwNm_M_s7p24	-130561792	-130561792 ± 1	✓
EOTActuatorMng_OutputRampMultLtd_M_f32	0.952000022	0.952000022 ± 0.00390625	✓
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.708618164	0.708618164 ± 0.0625	✓
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL	SES_NORMAL	✓
target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value	5.5082202	5.5082202 ± 0.00048828125	✓
target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value	0.708618164	0.708618164 ± 0.0000390625	✓
target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value	8.80000019	8.80000019 ± 0.00048828125	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	✓
EOTDetermination	1	EOTDetermination	1	✓
SES_DetLmtPos	1	SES_DetLmtPos	1	✓
SES_CalcExitGain	1	SES_CalcExitGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_CalcEnterGain	1	SES_CalcEnterGain	1	✓
BilinearXYM_u16_u16XM_u16YM_Cnt	1	BilinearXYM_u16_u16XM_u16YM_Cnt	1	✓
SES_CalcEOTGain	1	SES_CalcEOTGain	1	✓
SES_FiltEOTGain	1	SES_FiltEOTGain	1	✓
SES_CalcEOTDamp	1	SES_CalcEOTDamp	1	✓
BilinearXYM_u16_u16XM_u16YM_Cnt	1	BilinearXYM_u16_u16XM_u16YM_Cnt	1	✓
SES_StateCtrl	1	SES_StateCtrl	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	2	IntplVarXY_u16_u16Xu16Y_Cnt	2	✓
Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	✓

## Test Step 2.36 (Repeat Count = 1)

Name	Input Value
EOTActuatorMng_Damping_MtrNm_M_f32	6
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	244.160004
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	1503238554
EOTActuatorMng_FiltHwTrqSV_HwNm_M_s7p24	167772160
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.899999976
EOTActuatorMng_SESState_Uls_M_enum	SES_ENTERING
Rte_Inst_Ap_EOTActuatorMng	target_Rte_Inst_Ap_EOTActuatorMng
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.0869999975
k_EOTDefltPosition_HwDeg_u12p4	4432
k_EOTDeltaTrqThrsh_HwNm_u9p7	768
k_EOTDynConf_Uls_u8p8	30720
k_EOTEnterLPFkn_Cnt_u16	5644
k_EOTExitLPFkn_Cnt_u16	2527
k_EOTImpSpdEn_Kph_u9p7	4480
k_EOTOriginalImpactandSoftEnd_Cnt_lgc	1
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32	149.940002
k_EOTStateHwTrqLPFkn_Cnt_u16	2649
k_MaxRackTrvl_HwDeg_u12p4	2432

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Name	Input Value
k_MinRackTrvl_HwDeg_u12p4	11952
k_PosRampStep_HwDeg_u12p4	1776
k_SoftStopEOTEnable_Cnt_lgc	1
k_SpdIptScale_MtrNmpRadps_u4p12	93
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	576
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	1712
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	1728
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	1744
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	1040
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	3104
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	3120
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	3136
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1680
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	5024
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	5040
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	5056
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	2320
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	6944
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	6960
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	6976
t2_EOTEnterGainY_Uls_u1p15[0][0]	5
t2_EOTEnterGainY_Uls_u1p15[0][1]	6
t2_EOTEnterGainY_Uls_u1p15[0][2]	39
t2_EOTEnterGainY_Uls_u1p15[0][3]	383
t2_EOTEnterGainY_Uls_u1p15[1][0]	5
t2_EOTEnterGainY_Uls_u1p15[1][1]	6
t2_EOTEnterGainY_Uls_u1p15[1][2]	39
t2_EOTEnterGainY_Uls_u1p15[1][3]	383
t2_EOTEnterGainY_Uls_u1p15[2][0]	7
t2_EOTEnterGainY_Uls_u1p15[2][1]	8
t2_EOTEnterGainY_Uls_u1p15[2][2]	98
t2_EOTEnterGainY_Uls_u1p15[2][3]	954
t2_EOTEnterGainY_Uls_u1p15[3][0]	383
t2_EOTEnterGainY_Uls_u1p15[3][1]	39
t2_EOTEnterGainY_Uls_u1p15[3][2]	5
t2_EOTEnterGainY_Uls_u1p15[3][3]	6
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	153
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	216
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	92
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	130
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	107
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	151
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	137
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	194
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	0
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	1920
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	0
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1920
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	0
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	1920
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	832
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	4112
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	11
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	77
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	183
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	259
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	289
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	409
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	183
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	259
t_EOTDmpVspd_Kph_u9p7[0]	8320
t_EOTDmpVspd_Kph_u9p7[1]	24832
t_EOTDmpVspd_Kph_u9p7[2]	24960
t_EOTDmpVspd_Kph_u9p7[3]	25088
t_EOTEnterGainVspd_Kph_u9p7[0]	8320
t_EOTEnterGainVspd_Kph_u9p7[1]	24832
t_EOTEnterGainVspd_Kph_u9p7[2]	24960
t_EOTEnterGainVspd_Kph_u9p7[3]	25088
t_SpdIptTblXTbl_HwDeg_u12p4[0]	400
t_SpdIptTblXTbl_HwDeg_u12p4[1]	784
t_SpdIptTblYTbl_MtrRadps_u12p4[0]	720
t_SpdIptTblYTbl_MtrRadps_u12p4[1]	1104
t_TrqTableX_HwNm_u8p8[0]	1536

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Name	Input Value		
t_TrqTableX_HwNm_u8p8[1]	1792		
t_TrqTblY_Uls_u2p14[0]	508		
t_TrqTblY_Uls_u2p14[1]	590		
target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value	-888.202026		
target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value	1		
target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value	977.153992		
target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value	1		
target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value	1		
target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value	0.920000017		
target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value	555.875		
target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value	0.109999999		
target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value	-350		
target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value	0.541999996		
target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value	15.0253		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32	target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls_f32	target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32	target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_lgc	target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Uls_f32	target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32	target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm_f32	target_EOTActuatorMng_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32	target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32	target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph_f32	target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	5.70011997	5.70011997 ± 0.0000390625	✔
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	244.160004	244.160004 ± 0.0000390625	✔
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	1375943778	1375943778 ± 1	✔
EOTActuatorMng_FiltHWTqSV_HwNm_M_s7p24	161064892	161064892 ± 1	✔
EOTActuatorMng_OutputRampMultLtd_M_f32	0.541999996	0.541999996 ± 0.00390625	✔
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.640716553	0.640716553 ± 0.0625	✔
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED	SES_DISABLED	✔
target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value	5.70011997	5.70011997 ± 0.00048828125	✔
target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value	0.640716553	0.640716553 ± 0.0000390625	✔
target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value	8.80000019	8.80000019 ± 0.00048828125	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	✓
EOTDetermination	1	EOTDetermination	1	✓
SES_DetLmtPos	1	SES_DetLmtPos	1	✓
SES_CalcExitGain	1	SES_CalcExitGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_CalcEnterGain	1	SES_CalcEnterGain	1	✓
BilinearXYM_u16_u16XM_u16YM_Cnt	1	BilinearXYM_u16_u16XM_u16YM_Cnt	1	✓
SES_CalcEOTGain	1	SES_CalcEOTGain	1	✓
SES_FiltEOTGain	1	SES_FiltEOTGain	1	✓
SES_CalcEOTDamp	1	SES_CalcEOTDamp	1	✓
BilinearXYM_u16_u16XM_u16YM_Cnt	1	BilinearXYM_u16_u16XM_u16YM_Cnt	1	✓
SES_StateCtrl	1	SES_StateCtrl	1	✓
Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	✓

Test Step 2.37 (Repeat Count = 1)	
Name	Input Value
EOTActuatorMng_Damping_MtrNm_M_f32	6.19999981
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	765.280029
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	1288490189
EOTActuatorMng_FiltHWTqSV_HwNm_M_s7p24	0
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.800000012
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL
Rte_Inst_Ap_EOTActuatorMng	target_Rte_Inst_Ap_EOTActuatorMng
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.00899999961
k_EOTDefltPosition_HwDeg_u12p4	7760
k_EOTDeltaTrqThrsh_HwNm_u9p7	640
k_EOTDynConf_Uls_u8p8	33280
k_EOTEnterLPFKn_Cnt_u16	4444

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Name	Input Value
k_EOTExitLPFKn_Cnt_u16	6327
k_EOTImpSpdEn_Kph_u9p7	4608
k_EOTOriginalImpactandSoftEnd_Cnt_lgc	0
k_EOTPosDepDmpFinalSlew_MtrNmpS_T_f32	153.990005
k_EOTStateHwTrqLPFKn_Cnt_u16	6443
k_MaxRackTrvl_HwDeg_u12p4	2448
k_MinRackTrvl_HwDeg_u12p4	10176
k_PosRampStep_HwDeg_u12p4	12272
k_SoftStopEOTEnable_Cnt_lgc	0
k_SpdIptScale_MtrNmpRadpS_u4p12	93
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	1280
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	3824
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	3840
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	3856
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	3040
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	9104
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	9120
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	9136
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	672
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	2000
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	2016
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	2032
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	1376
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	4112
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	4128
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	4144
t2_EOTEnterGainY_Uls_u1p15[0][0]	6
t2_EOTEnterGainY_Uls_u1p15[0][1]	6
t2_EOTEnterGainY_Uls_u1p15[0][2]	49
t2_EOTEnterGainY_Uls_u1p15[0][3]	478
t2_EOTEnterGainY_Uls_u1p15[1][0]	6
t2_EOTEnterGainY_Uls_u1p15[1][1]	6
t2_EOTEnterGainY_Uls_u1p15[1][2]	49
t2_EOTEnterGainY_Uls_u1p15[1][3]	478
t2_EOTEnterGainY_Uls_u1p15[2][0]	8
t2_EOTEnterGainY_Uls_u1p15[2][1]	8
t2_EOTEnterGainY_Uls_u1p15[2][2]	108
t2_EOTEnterGainY_Uls_u1p15[2][3]	1049
t2_EOTEnterGainY_Uls_u1p15[3][0]	478
t2_EOTEnterGainY_Uls_u1p15[3][1]	49
t2_EOTEnterGainY_Uls_u1p15[3][2]	6
t2_EOTEnterGainY_Uls_u1p15[3][3]	6
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	168
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	237
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	4
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	26
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	122
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	173
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	153
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	216
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	800
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	1184
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	944
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1328
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	656
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	1040
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	864
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	4128
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]	13
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]	92
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]	198
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]	280
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]	37
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]	194
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]	198
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]	280
t_EOTDmpVspd_Kph_u9p7[0]	8448
t_EOTDmpVspd_Kph_u9p7[1]	25216
t_EOTDmpVspd_Kph_u9p7[2]	25344
t_EOTDmpVspd_Kph_u9p7[3]	25472
t_EOTEnterGainVspd_Kph_u9p7[0]	8448
t_EOTEnterGainVspd_Kph_u9p7[1]	25216
t_EOTEnterGainVspd_Kph_u9p7[2]	25344

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Name	Input Value		
t_EOTEnterGainVspd_Kph_u9p7[3]	25472		
t_SpdIptTbIXTbI_HwDeg_u12p4[0]	416		
t_SpdIptTbIXTbI_HwDeg_u12p4[1]	800		
t_SpdIptTbIYTbI_MtrRadpS_u12p4[0]	736		
t_SpdIptTbIYTbI_MtrRadpS_u12p4[1]	1120		
t_TrqTableX_HwNm_u8p8[0]	1280		
t_TrqTableX_HwNm_u8p8[1]	1536		
t_TrqTbIY_Uls_u2p14[0]	524		
t_TrqTbIY_Uls_u2p14[1]	606		
target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value	-880.103027		
target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value	1		
target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value	866.674011		
target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value	0		
target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value	0		
target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value	0.430000007		
target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value	-555.202026		
target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value	-0.219999999		
target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value	450		
target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value	0.136000007		
target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value	16.2474995		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32	target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls_f32	target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32	target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_lgc	target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Uls_f32	target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32	target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm_f32	target_EOTActuatorMng_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32	target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32	target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph_f32	target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	5.89201975	5.89202023 ± 0.0000390625	✔
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	485	485 ± 0.0000390625	✔
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	1201147813	1201147813 ± 1	✔
EOTActuatorMng_FiltHWTqSV_HwNm_M_s7p24	360808	360808 ± 1	✔
EOTActuatorMng_OutputRampMultLtd_M_f32	0.136000007	0.136000007 ± 0.00390625	✔
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.559326172	0.559326172 ± 0.0625	✔
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED	SES_DISABLED	✔
target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value	5.89201975	5.89202023 ± 0.00048828125	✔
target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value	0.559326172	0.559326172 ± 0.0000390625	✔
target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value	0	0 ± 0.00048828125	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	✓
EOTDetermination	1	EOTDetermination	1	✓
EOTOrigImpact	1	EOTOrigImpact	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_DetLmtPos	1	SES_DetLmtPos	1	✓
SES_CalcExitGain	1	SES_CalcExitGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_CalcEnterGain	1	SES_CalcEnterGain	1	✓
BilinearXMYM_u16_u16XMu16YM_Cnt	1	BilinearXMYM_u16_u16XMu16YM_Cnt	1	✓
SES_CalcEOTGain	1	SES_CalcEOTGain	1	✓
SES_FiltEOTGain	1	SES_FiltEOTGain	1	✓
SES_CalcEOTDamp	1	SES_CalcEOTDamp	1	✓
BilinearXMYM_u16_u16XMu16YM_Cnt	1	BilinearXMYM_u16_u16XMu16YM_Cnt	1	✓
SES_StateCtrl	1	SES_StateCtrl	1	✓
Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	✓

Test Step 2.38 (Repeat Count = 1)	
Name	Input Value
EOTActuatorMng_Damping_MtrNm_M_f32	6.4000001
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	123.459999
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	1073741824
EOTActuatorMng_FiltHWTqSV_HwNm_M_s7p24	18454938



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EOTActuatorMng\_Per1

Name	Input Value
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.699999988
EOTActuatorMng_SESState_Uls_M_enum	SES_ENTERING
Rte_Inst_Ap_EOTActuatorMng	target_Rte_Inst_Ap_EOTActuatorMng
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.395999998
k_EOTDefltPosition_HwDeg_u12p4	11088
k_EOTDeltaTrqThrsh_HwNm_u9p7	512
k_EOTDynConf_Uls_u8p8	0
k_EOTEnterLPFKn_Cnt_u16	5555
k_EOTExitLPFKn_Cnt_u16	2647
k_EOTImpSpdEn_Kph_u9p7	4736
k_EOTOriginalImpactandSoftEnd_Cnt_lgc	1
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32	158.039993
k_EOTStateHwTrqLPFKn_Cnt_u16	3647
k_MaxRackTrvl_HwDeg_u12p4	2464
k_MinRackTrvl_HwDeg_u12p4	15280
k_PosRampStep_HwDeg_u12p4	3920
k_SoftStopEOTEnable_Cnt_lgc	1
k_SpdIptScale_MtrNmpRadps_u4p12	93
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	1296
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	3872
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	3888
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	3904
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	3056
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	9152
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	9168
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	9184
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	688
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	2048
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	2064
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	2080
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	1392
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	4160
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	4176
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	4192
t2_EOTEnterGainY_Uls_u1p15[0][0]	6
t2_EOTEnterGainY_Uls_u1p15[0][1]	7
t2_EOTEnterGainY_Uls_u1p15[0][2]	59
t2_EOTEnterGainY_Uls_u1p15[0][3]	573
t2_EOTEnterGainY_Uls_u1p15[1][0]	6
t2_EOTEnterGainY_Uls_u1p15[1][1]	7
t2_EOTEnterGainY_Uls_u1p15[1][2]	59
t2_EOTEnterGainY_Uls_u1p15[1][3]	573
t2_EOTEnterGainY_Uls_u1p15[2][0]	7
t2_EOTEnterGainY_Uls_u1p15[2][1]	8
t2_EOTEnterGainY_Uls_u1p15[2][2]	88
t2_EOTEnterGainY_Uls_u1p15[2][3]	859
t2_EOTEnterGainY_Uls_u1p15[3][0]	573
t2_EOTEnterGainY_Uls_u1p15[3][1]	59
t2_EOTEnterGainY_Uls_u1p15[3][2]	6
t2_EOTEnterGainY_Uls_u1p15[3][3]	7
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	183
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	259
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	122
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	173
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	137
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	194
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	168
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	237
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	816
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	1200
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	960
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1344
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	672
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	1056
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	896
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	4144
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	45
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	102
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	304
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	431
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	153
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	216
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	74



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Name	Input Value		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]	105		
t_EOTDmpVspd_Kph_u9p7[0]	8576		
t_EOTDmpVspd_Kph_u9p7[1]	25600		
t_EOTDmpVspd_Kph_u9p7[2]	25728		
t_EOTDmpVspd_Kph_u9p7[3]	25856		
t_EOTEnterGainVspd_Kph_u9p7[0]	8576		
t_EOTEnterGainVspd_Kph_u9p7[1]	25600		
t_EOTEnterGainVspd_Kph_u9p7[2]	25728		
t_EOTEnterGainVspd_Kph_u9p7[3]	25856		
t_SpdIptTblXTbl_HwDeg_u12p4[0]	432		
t_SpdIptTblXTbl_HwDeg_u12p4[1]	816		
t_SpdIptTblYTbl_MtrRadpS_u12p4[0]	752		
t_SpdIptTblYTbl_MtrRadpS_u12p4[1]	1136		
t_TrqTableX_HwNm_u8p8[0]	1024		
t_TrqTableX_HwNm_u8p8[1]	1280		
t_TrqTblY_Uls_u2p14[0]	541		
t_TrqTblY_Uls_u2p14[1]	623		
target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value	-999.640991		
target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value	1		
target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value	898.314026		
target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value	1		
target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value	0		
target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value	0.922999978		
target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value	660.054016		
target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value	0.330000013		
target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value	-450		
target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value	0.754000008		
target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value	17.7989998		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32	target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls_f32	target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32	target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_lgc	target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Uls_f32	target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32	target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm_f32	target_EOTActuatorMng_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32	target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32	target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph_f32	target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	6.08392	6.08392 ± 0.0000390625	✔
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	693	693 ± 0.0000390625	✔
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	985911719	985911719 ± 1	✔
EOTActuatorMng_FiltHwTrqSV_HwNm_M_s7p24	17736479	17736479 ± 1	✔
EOTActuatorMng_OutputRampMultLtd_M_f32	0.754000008	0.754000008 ± 0.00390625	✔
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.459075928	0.459075928 ± 0.0625	✔
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL	SES_NORMAL	✔
target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value	6.08392	6.08392 ± 0.00048828125	✔
target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value	0.459075928	0.459075928 ± 0.0000390625	✔
target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value	0	0 ± 0.00048828125	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	✓
EOTDetermination	1	EOTDetermination	1	✓
EOTOrigImpact	1	EOTOrigImpact	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_DetLmtPos	1	SES_DetLmtPos	1	✓
SES_CalcExitGain	1	SES_CalcExitGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_CalcEnterGain	1	SES_CalcEnterGain	1	✓
BilinearXMYM_u16_u16XMu16YM_Cnt	1	BilinearXMYM_u16_u16XMu16YM_Cnt	1	✓
SES_CalcEOTGain	1	SES_CalcEOTGain	1	✓
SES_FiltEOTGain	1	SES_FiltEOTGain	1	✓
SES_CalcEOTDamp	1	SES_CalcEOTDamp	1	✓
BilinearXMYM_u16_u16XMu16YM_Cnt	1	BilinearXMYM_u16_u16XMu16YM_Cnt	1	✓
SES_StateCtrl	1	SES_StateCtrl	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	2	IntplVarXY_u16_u16Xu16Y_Cnt	2	✓
Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	✓

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Test Step 2.39 (Repeat Count = 1)	
Name	Input Value
EOTActuatorMng_Damping_MtrNm_M_f32	6.5999999
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	897.97998
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	858993459
EOTActuatorMng_FiltHWTqSV_HwNm_M_s7p24	-18454937
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.600000024
EOTActuatorMng_SESSState_Uls_M_enum	SES_NORMAL
Rte_Inst_Ap_EOTActuatorMng	target_Rte_Inst_Ap_EOTActuatorMng
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.331
k_EOTDefltPosition_HwDeg_u12p4	11104
k_EOTDeltaTrqThrsh_HwNm_u9p7	384
k_EOTDynConf_Uls_u8p8	38400
k_EOTEnterLPFKn_Cnt_u16	6666
k_EOTExitLPFKn_Cnt_u16	8665
k_EOTImpSpdEn_Kph_u9p7	4864
k_EOTOriginalImpactandSoftEnd_Cnt_lgc	0
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32	162.089996
k_EOTStateHwTrqLPFKn_Cnt_u16	2789
k_MaxRackTrvl_HwDeg_u12p4	2480
k_MinRackTrvl_HwDeg_u12p4	13696
k_PosRampStep_HwDeg_u12p4	12256
k_SoftStopEOTEnable_Cnt_lgc	0
k_SpdIptScale_MtrNmpRadps_u4p12	93
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	1312
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	3920
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	3936
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	3952
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	3072
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	9200
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	9216
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	9232
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	704
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	2096
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	2112
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	2128
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	1408
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	4208
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	4224
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	4240
t2_EOTEnterGainY_Uls_u1p15[0][0]	6
t2_EOTEnterGainY_Uls_u1p15[0][1]	7
t2_EOTEnterGainY_Uls_u1p15[0][2]	69
t2_EOTEnterGainY_Uls_u1p15[0][3]	668
t2_EOTEnterGainY_Uls_u1p15[1][0]	6
t2_EOTEnterGainY_Uls_u1p15[1][1]	7
t2_EOTEnterGainY_Uls_u1p15[1][2]	69
t2_EOTEnterGainY_Uls_u1p15[1][3]	668
t2_EOTEnterGainY_Uls_u1p15[2][0]	7
t2_EOTEnterGainY_Uls_u1p15[2][1]	8
t2_EOTEnterGainY_Uls_u1p15[2][2]	98
t2_EOTEnterGainY_Uls_u1p15[2][3]	954
t2_EOTEnterGainY_Uls_u1p15[3][0]	288
t2_EOTEnterGainY_Uls_u1p15[3][1]	29
t2_EOTEnterGainY_Uls_u1p15[3][2]	5
t2_EOTEnterGainY_Uls_u1p15[3][3]	6
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	198
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	280
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	137
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	194
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	153
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	216
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	183
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	259
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	832
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	1216
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	976
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1360
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	688
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	1072
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	928

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Name	Input Value		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	4160		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]	17		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]	122		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]	319		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]	452		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]	12		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]	88		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]	76		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]	108		
t_EOTDmpVspd_Kph_u9p7[0]	8704		
t_EOTDmpVspd_Kph_u9p7[1]	25984		
t_EOTDmpVspd_Kph_u9p7[2]	26112		
t_EOTDmpVspd_Kph_u9p7[3]	26240		
t_EOTEnterGainVspd_Kph_u9p7[0]	8704		
t_EOTEnterGainVspd_Kph_u9p7[1]	25984		
t_EOTEnterGainVspd_Kph_u9p7[2]	26112		
t_EOTEnterGainVspd_Kph_u9p7[3]	26240		
t_SpdIptTblXTbl_HwDeg_u12p4[0]	448		
t_SpdIptTblXTbl_HwDeg_u12p4[1]	832		
t_SpdIptTblYTbl_MtrRadpS_u12p4[0]	768		
t_SpdIptTblYTbl_MtrRadpS_u12p4[1]	1152		
t_TrqTableX_HwNm_u8p8[0]	512		
t_TrqTableX_HwNm_u8p8[1]	1024		
t_TrqTblY_Uls_u2p14[0]	557		
t_TrqTblY_Uls_u2p14[1]	639		
target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value	-990.344971		
target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value	1		
target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value	450.842987		
target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value	0		
target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value	0		
target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value	0.409999996		
target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value	-666.640015		
target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value	-0.439999998		
target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value	550		
target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value	0.133000001		
target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value	18.4780006		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32	target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls_f32	target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32	target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_lgc	target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Uls_f32	target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32	target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm_f32	target_EOTActuatorMng_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32	target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32	target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph_f32	target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	6.27581978	6.27581978 ± 0.0000390625	✔
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	694	694 ± 0.0000390625	✔
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	771668859	771668859 ± 1	✔
EOTActuatorMng_FiltHWTqSV_HwNm_M_s7p24	-17356071	-17356071 ± 1	✔
EOTActuatorMng_OutputRampMultLtd_M_f32	0.133000001	0.133000001 ± 0.00390625	✔
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.359313965	0.359313965 ± 0.0625	✔
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED	SES_DISABLED	✔
target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value	6.27581978	6.27581978 ± 0.00048828125	✔
target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value	0.359313965	0.359313965 ± 0.0000390625	✔
target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value	0	0 ± 0.00048828125	✔

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## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	✓
EOTDetermination	1	EOTDetermination	1	✓
EOTOrigImpact	1	EOTOrigImpact	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_DetLmtPos	1	SES_DetLmtPos	1	✓
SES_CalcExitGain	1	SES_CalcExitGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_CalcEnterGain	1	SES_CalcEnterGain	1	✓
BilinearXMYM_u16_u16XMu16YM_Cnt	1	BilinearXMYM_u16_u16XMu16YM_Cnt	1	✓
SES_CalcEOTGain	1	SES_CalcEOTGain	1	✓
SES_FiltEOTGain	1	SES_FiltEOTGain	1	✓
SES_CalcEOTDamp	1	SES_CalcEOTDamp	1	✓
BilinearXMYM_u16_u16XMu16YM_Cnt	1	BilinearXMYM_u16_u16XMu16YM_Cnt	1	✓
SES_StateCtrl	1	SES_StateCtrl	1	✓
Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	✓

## Test Step 2.40 (Repeat Count = 1)

Name	Input Value
EOTActuatorMng_Damping_MtrNm_M_f32	6.80000019
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	423.279999
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	644245094
EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24	33554432
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.5
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED
Rte_Inst_Ap_EOTActuatorMng	target_Rte_Inst_Ap_EOTActuatorMng
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.0540000014
k_EOTDefltPosition_HwDeg_u12p4	11120
k_EOTDeltaTrqThrsh_HwNm_u9p7	256
k_EOTDynConf_Uls_u8p8	40960
k_EOTEnterLPFKn_Cnt_u16	7777
k_EOTExitLPFKn_Cnt_u16	3658
k_EOTImpSpdEn_Kph_u9p7	4992
k_EOTOriginalImpactandSoftEnd_Cnt_lgc	1
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32	166.139999
k_EOTStateHwTrqLPFKn_Cnt_u16	7337
k_MaxRackTrvl_HwDeg_u12p4	2496
k_MinRackTrvl_HwDeg_u12p4	8544
k_PosRampStep_HwDeg_u12p4	736
k_SoftStopEOTEnable_Cnt_lgc	1
k_SpdIptScale_MtrNmpRadpS_u4p12	93
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	1328
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	3968
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	3984
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	4000
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	3088
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	9248
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	9264
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	9280
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	720
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	2144
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	2160
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	2176
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	1424
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	4256
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	4272
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	4288
t2_EOTEnterGainY_Uls_u1p15[0][0]	7
t2_EOTEnterGainY_Uls_u1p15[0][1]	7
t2_EOTEnterGainY_Uls_u1p15[0][2]	78
t2_EOTEnterGainY_Uls_u1p15[0][3]	763
t2_EOTEnterGainY_Uls_u1p15[1][0]	7
t2_EOTEnterGainY_Uls_u1p15[1][1]	7
t2_EOTEnterGainY_Uls_u1p15[1][2]	78
t2_EOTEnterGainY_Uls_u1p15[1][3]	763
t2_EOTEnterGainY_Uls_u1p15[2][0]	8
t2_EOTEnterGainY_Uls_u1p15[2][1]	8
t2_EOTEnterGainY_Uls_u1p15[2][2]	108
t2_EOTEnterGainY_Uls_u1p15[2][3]	1049

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Name	Input Value		
t2_EOTEnterGainY_Uls_u1p15[3][0]	383		
t2_EOTEnterGainY_Uls_u1p15[3][1]	39		
t2_EOTEnterGainY_Uls_u1p15[3][2]	5		
t2_EOTEnterGainY_Uls_u1p15[3][3]	6		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	213		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	302		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	153		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	216		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	168		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	237		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	198		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	280		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	848		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	1232		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	992		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1376		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	704		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	1088		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	800		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	4176		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]	194		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]	715		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]	334		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]	474		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]	183		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]	259		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]	274		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]	388		
t_EOTDmpVspd_Kph_u9p7[0]	8832		
t_EOTDmpVspd_Kph_u9p7[1]	26368		
t_EOTDmpVspd_Kph_u9p7[2]	26496		
t_EOTDmpVspd_Kph_u9p7[3]	26624		
t_EOTEnterGainVspd_Kph_u9p7[0]	8832		
t_EOTEnterGainVspd_Kph_u9p7[1]	26368		
t_EOTEnterGainVspd_Kph_u9p7[2]	26496		
t_EOTEnterGainVspd_Kph_u9p7[3]	26624		
t_SpdIptTblXTbl_HwDeg_u12p4[0]	464		
t_SpdIptTblXTbl_HwDeg_u12p4[1]	848		
t_SpdIptTblYTbl_MtrRadpS_u12p4[0]	784		
t_SpdIptTblYTbl_MtrRadpS_u12p4[1]	1168		
t_TrqTableX_HwNm_u8p8[0]	0		
t_TrqTableX_HwNm_u8p8[1]	768		
t_TrqTblY_Uls_u2p14[0]	573		
t_TrqTblY_Uls_u2p14[1]	655		
target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value	-456.125		
target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value	1		
target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value	565.314026		
target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value	1		
target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value	1		
target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value	0.845000029		
target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value	777.101013		
target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value	0.550000012		
target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value	-550		
target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value	0.674000025		
target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value	19.8785		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32	target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls_f32	target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32	target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_lgc	target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Uls_f32	target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32	target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm_f32	target_EOTActuatorMng_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32	target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32	target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph_f32	target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	6.46772003	6.46772003 ± 0.0000390625	✓
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	423.279999	423.279999 ± 0.0000390625	✓
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	735790652	735790652 ± 1	✓

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Name	Actual Value	Expected Value	Result
EOTActuatorMng_FiltHWTTrqSV_HwNm_M_s7p24	30825068	30825068 ± 1	✓
EOTActuatorMng_OutputRampMultLtd_M_f32	0.674000025	0.674000025 ± 0.00390625	✓
EOTActuatorMng_PrevEOTGain_Uls_M_f32	1	1 ± 0.0625	✓
EOTActuatorMng_SESSState_Uls_M_enum	SES_DISABLED	SES_DISABLED	✓
target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value	0	0 ± 0.00048828125	✓
target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value	1	1 ± 0.0000390625	✓
target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value	8.80000019	8.80000019 ± 0.00048828125	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	✓
EOTDetermination	1	EOTDetermination	1	✓
SES_DetLmtPos	1	SES_DetLmtPos	1	✓
SES_CalcExitGain	1	SES_CalcExitGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_CalcEnterGain	1	SES_CalcEnterGain	1	✓
SES_CalcEOTGain	1	SES_CalcEOTGain	1	✓
SES_FiltEOTGain	1	SES_FiltEOTGain	1	✓
SES_CalcEOTDamp	1	SES_CalcEOTDamp	1	✓
SES_StateCtrl	1	SES_StateCtrl	1	✓
Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	✓

Test Step 2.41 (Repeat Count = 1)	
Name	Input Value
EOTActuatorMng_Damping_MtrNm_M_f32	6.80000019
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	423.279999
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	644245094
EOTActuatorMng_FiltHWTTrqSV_HwNm_M_s7p24	33554432
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.5
EOTActuatorMng_SESSState_Uls_M_enum	SES_NORMAL
Rte_Inst_Ap_EOTActuatorMng	target_Rte_Inst_Ap_EOTActuatorMng
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.388999999
k_EOTDefltPosition_HwDeg_u12p4	11120
k_EOTDeltaTrqThrsh_HwNm_u9p7	256
k_EOTDynConf_Uls_u8p8	40960
k_EOTEnterLPFKn_Cnt_u16	7777
k_EOTExitLPFKn_Cnt_u16	3658
k_EOTImpSpdEn_Kph_u9p7	4992
k_EOTOriginalImpactandSoftEnd_Cnt_lgc	1
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32	166.139999
k_EOTStateHwTrqLPFKn_Cnt_u16	7337
k_MaxRackTrvl_HwDeg_u12p4	2496
k_MinRackTrvl_HwDeg_u12p4	8544
k_PosRampStep_HwDeg_u12p4	736
k_SoftStopEOTEnable_Cnt_lgc	1
k_SpdLptScale_MtrNmpRadps_u4p12	93
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	1328
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	3968
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	3984
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	4000
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	3088
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	9248
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	9264
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	9280
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	720
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	2144
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	2160
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	2176
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	1424
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	4256
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	4272
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	4288
t2_EOTEnterGainY_Uls_u1p15[0][0]	7
t2_EOTEnterGainY_Uls_u1p15[0][1]	7
t2_EOTEnterGainY_Uls_u1p15[0][2]	78
t2_EOTEnterGainY_Uls_u1p15[0][3]	763
t2_EOTEnterGainY_Uls_u1p15[1][0]	7
t2_EOTEnterGainY_Uls_u1p15[1][1]	7
t2_EOTEnterGainY_Uls_u1p15[1][2]	78
t2_EOTEnterGainY_Uls_u1p15[1][3]	763

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Name	Input Value
t2_EOTEnterGainY_Uls_u1p15[2][0]	8
t2_EOTEnterGainY_Uls_u1p15[2][1]	8
t2_EOTEnterGainY_Uls_u1p15[2][2]	108
t2_EOTEnterGainY_Uls_u1p15[2][3]	1049
t2_EOTEnterGainY_Uls_u1p15[3][0]	383
t2_EOTEnterGainY_Uls_u1p15[3][1]	39
t2_EOTEnterGainY_Uls_u1p15[3][2]	5
t2_EOTEnterGainY_Uls_u1p15[3][3]	6
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	213
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	302
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	153
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	216
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	168
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	237
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	198
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	280
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	848
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	1232
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	992
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1376
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	704
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	1088
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	800
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	4176
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]	194
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]	715
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]	334
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]	474
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]	183
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]	259
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]	274
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]	388
t_EOTDmpVspd_Kph_u9p7[0]	8832
t_EOTDmpVspd_Kph_u9p7[1]	26368
t_EOTDmpVspd_Kph_u9p7[2]	26496
t_EOTDmpVspd_Kph_u9p7[3]	26624
t_EOTEnterGainVspd_Kph_u9p7[0]	8832
t_EOTEnterGainVspd_Kph_u9p7[1]	26368
t_EOTEnterGainVspd_Kph_u9p7[2]	26496
t_EOTEnterGainVspd_Kph_u9p7[3]	26624
t_SpdIptTblXTbl_HwDeg_u12p4[0]	464
t_SpdIptTblXTbl_HwDeg_u12p4[1]	848
t_SpdIptTblYTbl_MtrRadpS_u12p4[0]	784
t_SpdIptTblYTbl_MtrRadpS_u12p4[1]	1168
t_TrqTableX_HwNm_u8p8[0]	0
t_TrqTableX_HwNm_u8p8[1]	768
t_TrqTblY_Uls_u2p14[0]	573
t_TrqTblY_Uls_u2p14[1]	655
target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value	-456.125
target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value	1
target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value	565.314026
target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value	1
target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value	1
target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value	0.845000029
target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value	777.101013
target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value	0.550000012
target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value	-550
target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value	0.674000025
target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value	19.8785
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDamping	target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls	target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit_MtrNm	target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CwFound_Cnt_lgc
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_lgc	target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Uls	target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_HwDeg	target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm_f32	target_EOTActuatorMng_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadpS	target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_OutputRampMultLtd	target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph	target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32



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Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	6.46772003	6.46772003 ± 0.0000390625	✓
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	423.279999	423.279999 ± 0.0000390625	✓
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	567851623	567851623 ± 1	✓
EOTActuatorMng_FiltHWTTrqSV_HwNm_M_s7p24	30825068	30825068 ± 1	✓
EOTActuatorMng_OutputRampMultLtd_M_f32	0.674000025	0.674000025 ± 0.00390625	✓
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.264404297	0.264404297 ± 0.0625	✓
EOTActuatorMng_SESSState_Uls_M_enum	SES_DISABLED	SES_DISABLED	✓
target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value	6.46772003	6.46772003 ± 0.00048828125	✓
target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value	0.264404297	0.264404297 ± 0.0000390625	✓
target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value	8.80000019	8.80000019 ± 0.00048828125	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	✓
EOTDetermination	1	EOTDetermination	1	✓
SES_DetLmtPos	1	SES_DetLmtPos	1	✓
SES_CalcExitGain	1	SES_CalcExitGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_CalcEnterGain	1	SES_CalcEnterGain	1	✓
BilinearXMYM_u16_u16XM_u16YM_Cnt	1	BilinearXMYM_u16_u16XM_u16YM_Cnt	1	✓
SES_CalcEOTGain	1	SES_CalcEOTGain	1	✓
SES_FiltEOTGain	1	SES_FiltEOTGain	1	✓
SES_CalcEOTDamp	1	SES_CalcEOTDamp	1	✓
BilinearXMYM_u16_u16XM_u16YM_Cnt	1	BilinearXMYM_u16_u16XM_u16YM_Cnt	1	✓
SES_StateCtrl	1	SES_StateCtrl	1	✓
Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	✓

Test Step 2.42 (Repeat Count = 1)	
Name	Input Value
EOTActuatorMng_Damping_MtrNm_M_f32	7
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	987.469971
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	429496730
EOTActuatorMng_FiltHWTTrqSV_HwNm_M_s7p24	-33554432
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.400000006
EOTActuatorMng_SESSState_Uls_M_enum	SES_ENTERING
Rte_Inst_Ap_EOTActuatorMng	target_Rte_Inst_Ap_EOTActuatorMng
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.995000005
k_EOTDefltPosition_HwDeg_u12p4	11136
k_EOTDeltaTrqThrsh_HwNm_u9p7	256
k_EOTDynConf_Uls_u8p8	43520
k_EOTEnterLPFKn_Cnt_u16	8888
k_EOTExitLPFKn_Cnt_u16	3475
k_EOTImpSpdEn_Kph_u9p7	5120
k_EOTOriginalImpactandSoftEnd_Cnt_lgc	0
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32	170.190002
k_EOTStateHwTrqLPFKn_Cnt_u16	3773
k_MaxRackTrvl_HwDeg_u12p4	2512
k_MinRackTrvl_HwDeg_u12p4	10128
k_PosRampStep_HwDeg_u12p4	12064
k_SoftStopEOTEnable_Cnt_lgc	0
k_SpdLptScale_MtrNmpRadpS_u4p12	93
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	1344
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	4016
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	4032
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	4048
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	3104
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	9296
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	9312
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	9328
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	736
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	2192
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	2208
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	2224
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	1440
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	4304
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	4320
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	4336
t2_EOTEnterGainY_Uls_u1p15[0][0]	6
t2_EOTEnterGainY_Uls_u1p15[0][1]	7
t2_EOTEnterGainY_Uls_u1p15[0][2]	69



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Name	Input Value
t2_EOTEnterGainY_Uls_u1p15[0][3]	668
t2_EOTEnterGainY_Uls_u1p15[1][0]	7
t2_EOTEnterGainY_Uls_u1p15[1][1]	8
t2_EOTEnterGainY_Uls_u1p15[1][2]	88
t2_EOTEnterGainY_Uls_u1p15[1][3]	859
t2_EOTEnterGainY_Uls_u1p15[2][0]	8
t2_EOTEnterGainY_Uls_u1p15[2][1]	9
t2_EOTEnterGainY_Uls_u1p15[2][2]	118
t2_EOTEnterGainY_Uls_u1p15[2][3]	1144
t2_EOTEnterGainY_Uls_u1p15[3][0]	478
t2_EOTEnterGainY_Uls_u1p15[3][1]	49
t2_EOTEnterGainY_Uls_u1p15[3][2]	6
t2_EOTEnterGainY_Uls_u1p15[3][3]	6
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	228
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	323
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	168
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	237
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	183
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	259
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	213
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	302
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	864
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	1248
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	1008
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1392
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	720
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	1104
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	816
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	4192
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]	22
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]	153
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]	10
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]	452
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]	198
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]	280
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]	289
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]	409
t_EOTDmpVspd_Kph_u9p7[0]	8960
t_EOTDmpVspd_Kph_u9p7[1]	26752
t_EOTDmpVspd_Kph_u9p7[2]	26880
t_EOTDmpVspd_Kph_u9p7[3]	27008
t_EOTEnterGainVspd_Kph_u9p7[0]	8960
t_EOTEnterGainVspd_Kph_u9p7[1]	26752
t_EOTEnterGainVspd_Kph_u9p7[2]	26880
t_EOTEnterGainVspd_Kph_u9p7[3]	27008
t_SpdIptTblXTbl_HwDeg_u12p4[0]	480
t_SpdIptTblXTbl_HwDeg_u12p4[1]	864
t_SpdIptTblYTbl_MtrRadpS_u12p4[0]	800
t_SpdIptTblYTbl_MtrRadpS_u12p4[1]	1184
t_TrqTableX_HwNm_u8p8[0]	256
t_TrqTableX_HwNm_u8p8[1]	512
t_TrqTblY_Uls_u2p14[0]	590
t_TrqTblY_Uls_u2p14[1]	672
target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value	-111.025002
target_EOTActuatorMng_Per1_CcwFound_Cnt_Igc.value	1
target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value	656.489014
target_EOTActuatorMng_Per1_CwFound_Cnt_Igc.value	0
target_EOTActuatorMng_Per1_EOTDisable_Cnt_Igc.value	0
target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value	0.620000005
target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value	-777.450012
target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value	-0.660000026
target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value	650
target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value	0.259999999
target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value	1.48699999
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32	target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls	target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit_MtrNm	target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_Cnt_Igc	target_EOTActuatorMng_Per1_CcwFound_Cnt_Igc
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_Igc	target_EOTActuatorMng_Per1_CwFound_Cnt_Igc
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_Igc	target_EOTActuatorMng_Per1_EOTDisable_Cnt_Igc
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Uls	target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32

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Name	Input Value		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_Hwl	target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm_f	target_EOTActuatorMng_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadpS	target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_OutputRampMultLtd	target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph	target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	6.65961981	6.65961981 ± 0.0000390625	✔
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	696	696 ± 0.0000390625	✔
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	371306994	371306994 ± 1	✔
EOTActuatorMng_FiltHWTTrqSV_HwNm_M_s7p24	-30988792	-30988792 ± 1	✔
EOTActuatorMng_OutputRampMultLtd_M_f32	0.25999999	0.25999999 ± 0.00390625	✔
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.17288208	0.17288208 ± 0.0625	✔
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED	SES_DISABLED	✔
target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value	6.65961981	6.65961981 ± 0.00048828125	✔
target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value	0.17288208	0.17288208 ± 0.0000390625	✔
target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value	0	0 ± 0.00048828125	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	✓
EOTDetermination	1	EOTDetermination	1	✓
EOTOrigImpact	1	EOTOrigImpact	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_DetLmtPos	1	SES_DetLmtPos	1	✓
SES_CalcExitGain	1	SES_CalcExitGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_CalcEnterGain	1	SES_CalcEnterGain	1	✓
BilinearXMYM_u16_u16XM_u16YM_Cnt	1	BilinearXMYM_u16_u16XM_u16YM_Cnt	1	✓
SES_CalcEOTGain	1	SES_CalcEOTGain	1	✓
SES_FiltEOTGain	1	SES_FiltEOTGain	1	✓
SES_CalcEOTDamp	1	SES_CalcEOTDamp	1	✓
BilinearXMYM_u16_u16XM_u16YM_Cnt	1	BilinearXMYM_u16_u16XM_u16YM_Cnt	1	✓
SES_StateCtrl	1	SES_StateCtrl	1	✓
Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	✓

Test Step 2.43 (Repeat Count = 1)	
Name	Input Value
EOTActuatorMng_Damping_MtrNm_M_f32	7
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	987.469971
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	429496730
EOTActuatorMng_FiltHWTTrqSV_HwNm_M_s7p24	-33554432
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.400000006
EOTActuatorMng_SESState_Uls_M_enum	SES_EXITING
Rte_Inst_Ap_EOTActuatorMng	target_Rte_Inst_Ap_EOTActuatorMng
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.209999993
k_EOTDefltPosition_HwDeg_u12p4	11136
k_EOTDeltaTrqThrsh_HwNm_u9p7	256
k_EOTDynConf_Uls_u8p8	43520
k_EOTEnterLPFKn_Cnt_u16	8888
k_EOTExitLPFKn_Cnt_u16	3475
k_EOTImpSpdEn_Kph_u9p7	5120
k_EOTOriginalImpactandSoftEnd_Cnt_lgc	0
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32	170.190002
k_EOTStateHwTrqLPFKn_Cnt_u16	3773
k_MaxRackTrvl_HwDeg_u12p4	2512
k_MinRackTrvl_HwDeg_u12p4	10128
k_PosRampStep_HwDeg_u12p4	12064
k_SoftStopEOTEnable_Cnt_lgc	0
k_SpdIptScale_MtrNmpRadpS_u4p12	93
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	1344
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	4016
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	4032
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	4048
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	3104
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	9296
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	9312
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	9328
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	736
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	2192
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	2208

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Name	Input Value
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	2224
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	1440
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	4304
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	4320
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	4336
t2_EOTEnterGainY_Uls_u1p15[0][0]	6
t2_EOTEnterGainY_Uls_u1p15[0][1]	7
t2_EOTEnterGainY_Uls_u1p15[0][2]	69
t2_EOTEnterGainY_Uls_u1p15[0][3]	668
t2_EOTEnterGainY_Uls_u1p15[1][0]	7
t2_EOTEnterGainY_Uls_u1p15[1][1]	8
t2_EOTEnterGainY_Uls_u1p15[1][2]	88
t2_EOTEnterGainY_Uls_u1p15[1][3]	859
t2_EOTEnterGainY_Uls_u1p15[2][0]	8
t2_EOTEnterGainY_Uls_u1p15[2][1]	9
t2_EOTEnterGainY_Uls_u1p15[2][2]	118
t2_EOTEnterGainY_Uls_u1p15[2][3]	1144
t2_EOTEnterGainY_Uls_u1p15[3][0]	478
t2_EOTEnterGainY_Uls_u1p15[3][1]	49
t2_EOTEnterGainY_Uls_u1p15[3][2]	6
t2_EOTEnterGainY_Uls_u1p15[3][3]	6
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	228
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	323
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	168
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	237
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	183
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	259
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	213
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	302
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	864
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	1248
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	1008
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1392
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	720
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	1104
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	816
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	4192
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]	22
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]	153
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]	10
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]	452
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]	198
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]	280
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]	289
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]	409
t_EOTDmpVspd_Kph_u9p7[0]	8960
t_EOTDmpVspd_Kph_u9p7[1]	26752
t_EOTDmpVspd_Kph_u9p7[2]	26880
t_EOTDmpVspd_Kph_u9p7[3]	27008
t_EOTEnterGainVspd_Kph_u9p7[0]	8960
t_EOTEnterGainVspd_Kph_u9p7[1]	26752
t_EOTEnterGainVspd_Kph_u9p7[2]	26880
t_EOTEnterGainVspd_Kph_u9p7[3]	27008
t_SpdIptTblXTbl_HwDeg_u12p4[0]	480
t_SpdIptTblXTbl_HwDeg_u12p4[1]	864
t_SpdIptTblYTbl_MtrRadpS_u12p4[0]	800
t_SpdIptTblYTbl_MtrRadpS_u12p4[1]	1184
t_TrqTableX_HwNm_u8p8[0]	256
t_TrqTableX_HwNm_u8p8[1]	512
t_TrqTblY_Uls_u2p14[0]	590
t_TrqTblY_Uls_u2p14[1]	672
target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value	-111.025002
target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value	1
target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value	656.489014
target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value	0
target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value	0
target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value	0.620000005
target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value	-777.450012
target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value	-0.660000026
target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value	650
target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value	0.259999999
target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value	1.486999999
target_Rte_Inst_Ap_EOTActuatorMng_Per1_AssistEOTDamping	target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32

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Name	Input Value		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls_f32	target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32	target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_lgc	target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Uls_f32	target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32	target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm_f32	target_EOTActuatorMng_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32	target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32	target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph_f32	target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	6.65961981	6.65961981 ± 0.0000390625	✔
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	696	696 ± 0.0000390625	✔
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	452271880	452271880 ± 1	✔
EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24	-30988792	-30988792 ± 1	✔
EOTActuatorMng_OutputRampMultLtd_M_f32	0.25999999	0.25999999 ± 0.00390625	✔
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.210601807	0.210601807 ± 0.0625	✔
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED	SES_DISABLED	✔
target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value	6.65961981	6.65961981 ± 0.00048828125	✔
target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value	0.210601807	0.210601807 ± 0.0000390625	✔
target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value	0	0 ± 0.00048828125	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	✓
EOTDetermination	1	EOTDetermination	1	✓
EOTOrigImpact	1	EOTOrigImpact	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_DetLmtPos	1	SES_DetLmtPos	1	✓
SES_CalcExitGain	1	SES_CalcExitGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_CalcEnterGain	1	SES_CalcEnterGain	1	✓
BilinearXYMY_u16_u16XM_u16YM_Cnt	1	BilinearXYMY_u16_u16XM_u16YM_Cnt	1	✓
SES_CalcEOTGain	1	SES_CalcEOTGain	1	✓
SES_FiltEOTGain	1	SES_FiltEOTGain	1	✓
SES_CalcEOTDamp	1	SES_CalcEOTDamp	1	✓
BilinearXYMY_u16_u16XM_u16YM_Cnt	1	BilinearXYMY_u16_u16XM_u16YM_Cnt	1	✓
SES_StateCtrl	1	SES_StateCtrl	1	✓
Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	✓

Test Step 2.44 (Repeat Count = 1)	
Name	Input Value
EOTActuatorMng_Damping_MtrNm_M_f32	7.19999981
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	133.279999
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	0
EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24	50331648
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.300000012
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL
Rte_Inst_Ap_EOTActuatorMng	target_Rte_Inst_Ap_EOTActuatorMng
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.86500001
k_EOTDefltPosition_HwDeg_u12p4	11152
k_EOTDeltaTrqThrsh_HwNm_u9p7	384
k_EOTDynConf_Uls_u8p8	46080
k_EOTEnterLPFKn_Cnt_u16	9999
k_EOTExitLPFKn_Cnt_u16	2534
k_EOTImpSpdEn_Kph_u9p7	5248
k_EOTOriginalImpactandSoftEnd_Cnt_lgc	1
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32	174.240005
k_EOTStateHwTrqLPFKn_Cnt_u16	6444
k_MaxRackTrvl_HwDeg_u12p4	2528
k_MinRackTrvl_HwDeg_u12p4	14240
k_PosRampStep_HwDeg_u12p4	10192
k_SoftStopEOTEnable_Cnt_lgc	1
k_SpdLptScale_MtrNmpRadpS_u4p12	93
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	1360
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	4064
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	4080

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Name	Input Value
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	4096
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	3120
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	9344
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	9360
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	9376
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	752
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	2240
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	2256
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	2272
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	144
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	960
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	1440
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	2848
t2_EOTEnterGainY_Uls_u1p15[0][0]	7
t2_EOTEnterGainY_Uls_u1p15[0][1]	7
t2_EOTEnterGainY_Uls_u1p15[0][2]	78
t2_EOTEnterGainY_Uls_u1p15[0][3]	763
t2_EOTEnterGainY_Uls_u1p15[1][0]	7
t2_EOTEnterGainY_Uls_u1p15[1][1]	8
t2_EOTEnterGainY_Uls_u1p15[1][2]	98
t2_EOTEnterGainY_Uls_u1p15[1][3]	954
t2_EOTEnterGainY_Uls_u1p15[2][0]	8
t2_EOTEnterGainY_Uls_u1p15[2][1]	9
t2_EOTEnterGainY_Uls_u1p15[2][2]	127
t2_EOTEnterGainY_Uls_u1p15[2][3]	1239
t2_EOTEnterGainY_Uls_u1p15[3][0]	573
t2_EOTEnterGainY_Uls_u1p15[3][1]	59
t2_EOTEnterGainY_Uls_u1p15[3][2]	6
t2_EOTEnterGainY_Uls_u1p15[3][3]	7
t2_EOTExPosDepDmpTbly_MtrNmpRadps_u0p16[0][0]	243
t2_EOTExPosDepDmpTbly_MtrNmpRadps_u0p16[0][1]	345
t2_EOTExPosDepDmpTbly_MtrNmpRadps_u0p16[1][0]	183
t2_EOTExPosDepDmpTbly_MtrNmpRadps_u0p16[1][1]	259
t2_EOTExPosDepDmpTbly_MtrNmpRadps_u0p16[2][0]	198
t2_EOTExPosDepDmpTbly_MtrNmpRadps_u0p16[2][1]	280
t2_EOTExPosDepDmpTbly_MtrNmpRadps_u0p16[3][0]	228
t2_EOTExPosDepDmpTbly_MtrNmpRadps_u0p16[3][1]	323
t2_EOTPosDepDmpTbly_HwDeg_u12p4[0][0]	880
t2_EOTPosDepDmpTbly_HwDeg_u12p4[0][1]	1264
t2_EOTPosDepDmpTbly_HwDeg_u12p4[1][0]	1024
t2_EOTPosDepDmpTbly_HwDeg_u12p4[1][1]	1408
t2_EOTPosDepDmpTbly_HwDeg_u12p4[2][0]	736
t2_EOTPosDepDmpTbly_HwDeg_u12p4[2][1]	1120
t2_EOTPosDepDmpTbly_HwDeg_u12p4[3][0]	1920
t2_EOTPosDepDmpTbly_HwDeg_u12p4[3][1]	2240
t2_EOTPosDepDmpTbly_MtrNmpRadpS_u0p16[0][0]	237
t2_EOTPosDepDmpTbly_MtrNmpRadpS_u0p16[0][1]	367
t2_EOTPosDepDmpTbly_MtrNmpRadpS_u0p16[1][0]	68
t2_EOTPosDepDmpTbly_MtrNmpRadpS_u0p16[1][1]	52
t2_EOTPosDepDmpTbly_MtrNmpRadpS_u0p16[2][0]	213
t2_EOTPosDepDmpTbly_MtrNmpRadpS_u0p16[2][1]	302
t2_EOTPosDepDmpTbly_MtrNmpRadpS_u0p16[3][0]	304
t2_EOTPosDepDmpTbly_MtrNmpRadpS_u0p16[3][1]	431
t_EOTDmpVspd_Kph_u9p7[0]	9088
t_EOTDmpVspd_Kph_u9p7[1]	27136
t_EOTDmpVspd_Kph_u9p7[2]	27264
t_EOTDmpVspd_Kph_u9p7[3]	27392
t_EOTEnterGainVspd_Kph_u9p7[0]	9088
t_EOTEnterGainVspd_Kph_u9p7[1]	27136
t_EOTEnterGainVspd_Kph_u9p7[2]	27264
t_EOTEnterGainVspd_Kph_u9p7[3]	27392
t_SpdIptTblyTbly_HwDeg_u12p4[0]	496
t_SpdIptTblyTbly_HwDeg_u12p4[1]	880
t_SpdIptTblyTbly_MtrRadpS_u12p4[0]	992
t_SpdIptTblyTbly_MtrRadpS_u12p4[1]	1376
t_TrqTableX_HwNm_u8p8[0]	0
t_TrqTableX_HwNm_u8p8[1]	512
t_TrqTbly_Uls_u2p14[0]	606
t_TrqTbly_Uls_u2p14[1]	688
target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value	-876.752014
target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value	0
target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value	550.286987
target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value	1

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EOTActuatorMng\_Per1

Name	Input Value
target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value	1
target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value	0.939999998
target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value	888.896973
target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value	0.769999981
target_EOTActuatorMng_Per1_MotorVel_MtrRadps_f32.value	-650
target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value	0.342999995
target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value	2.89700007
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32	target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls_f32	target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32	target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CwFound_Cnt_lgc
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_lgc	target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Uls_f32	target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32	target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm_f32	target_EOTActuatorMng_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadps_f32	target_EOTActuatorMng_Per1_MotorVel_MtrRadps_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32	target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph_f32	target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32

Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	6.85151958	6.85152006 ± 0.0000390625	✓
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	133.279999	133.279999 ± 0.0000390625	✓
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	69993	69993 ± 1	✓
EOTActuatorMng_FiltHwTrqSV_HwNm_M_s7p24	46652124	46652124 ± 1	✓
EOTActuatorMng_OutputRampMultLtd_M_f32	0.342999995	0.342999995 ± 0.00390625	✓
EOTActuatorMng_PrevEOTGain_Uls_M_f32	3.05175781e-005	3.04999994e-005 ± 0.0625	✓
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED	SES_DISABLED	✓
target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value	6.85151958	6.85152006 ± 0.00048828125	✓
target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value	3.05175781e-005	3.04999994e-005 ± 0.0000390625	✓
target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value	8.80000019	8.80000019 ± 0.00048828125	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	✓
EOTDetermination	1	EOTDetermination	1	✓
SES_DetLmtPos	1	SES_DetLmtPos	1	✓
SES_CalcExitGain	1	SES_CalcExitGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_CalcEnterGain	1	SES_CalcEnterGain	1	✓
BilinearXYM_u16_u16XM_u16YM_Cnt	1	BilinearXYM_u16_u16XM_u16YM_Cnt	1	✓
SES_CalcEOTGain	1	SES_CalcEOTGain	1	✓
SES_FiltEOTGain	1	SES_FiltEOTGain	1	✓
SES_CalcEOTDamp	1	SES_CalcEOTDamp	1	✓
BilinearXYM_u16_u16XM_u16YM_Cnt	1	BilinearXYM_u16_u16XM_u16YM_Cnt	1	✓
SES_StateCtrl	1	SES_StateCtrl	1	✓
Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	✓

## Test Step 2.45 (Repeat Count = 1)

Name	Input Value
EOTActuatorMng_Damping_MtrNm_M_f32	7.4000001
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	575.609985
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	2147483648
EOTActuatorMng_FiltHwTrqSV_HwNm_M_s7p24	-50331648
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.200000003
EOTActuatorMng_SESState_Uls_M_enum	SES_ENTERING
Rte_Inst_Ap_EOTActuatorMng	target_Rte_Inst_Ap_EOTActuatorMng
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.0430000015
k_EOTDefltPosition_HwDeg_u12p4	11168
k_EOTDeltaTrqThrsh_HwNm_u9p7	512
k_EOTDynConf_Uls_u8p8	0
k_EOTEnterLPFKn_Cnt_u16	543
k_EOTExitLPFKn_Cnt_u16	8656
k_EOTImpSpdEn_Kph_u9p7	5376
k_EOTOriginalImpactandSoftEnd_Cnt_lgc	0
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32	178.289993
k_EOTStateHwTrqLPFKn_Cnt_u16	7559
k_MaxRackTrvl_HwDeg_u12p4	2544
k_MinRackTrvl_HwDeg_u12p4	15760

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EOTActuatorMng\_Per1

Name	Input Value
k_PosRampStep_HwDeg_u12p4	5984
k_SoftStopEOTEnable_Cnt_lgc	1
k_SpdIptScale_MtrNmpRadpS_u4p12	93
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	1376
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	4112
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	4128
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	4144
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	3136
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	9392
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	9408
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	9424
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	768
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	2288
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	2304
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	2320
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	672
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	2000
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	2016
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	2032
t2_EOTEnterGainY_Uls_u1p15[0][0]	7
t2_EOTEnterGainY_Uls_u1p15[0][1]	8
t2_EOTEnterGainY_Uls_u1p15[0][2]	88
t2_EOTEnterGainY_Uls_u1p15[0][3]	859
t2_EOTEnterGainY_Uls_u1p15[1][0]	8
t2_EOTEnterGainY_Uls_u1p15[1][1]	8
t2_EOTEnterGainY_Uls_u1p15[1][2]	108
t2_EOTEnterGainY_Uls_u1p15[1][3]	1049
t2_EOTEnterGainY_Uls_u1p15[2][0]	9
t2_EOTEnterGainY_Uls_u1p15[2][1]	9
t2_EOTEnterGainY_Uls_u1p15[2][2]	137
t2_EOTEnterGainY_Uls_u1p15[2][3]	1334
t2_EOTEnterGainY_Uls_u1p15[3][0]	668
t2_EOTEnterGainY_Uls_u1p15[3][1]	69
t2_EOTEnterGainY_Uls_u1p15[3][2]	6
t2_EOTEnterGainY_Uls_u1p15[3][3]	7
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	395
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	560
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	198
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	280
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	213
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	302
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	243
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	345
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	896
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	1280
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	1040
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1424
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	752
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	1136
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	5120
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	4960
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]	26
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]	518
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]	7
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]	99
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]	228
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]	323
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]	319
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]	452
t_EOTDmpVspd_Kph_u9p7[0]	9216
t_EOTDmpVspd_Kph_u9p7[1]	27520
t_EOTDmpVspd_Kph_u9p7[2]	27648
t_EOTDmpVspd_Kph_u9p7[3]	27776
t_EOTEnterGainVspd_Kph_u9p7[0]	9216
t_EOTEnterGainVspd_Kph_u9p7[1]	27520
t_EOTEnterGainVspd_Kph_u9p7[2]	27648
t_EOTEnterGainVspd_Kph_u9p7[3]	27776
t_SpdIptTblXTbl_HwDeg_u12p4[0]	512
t_SpdIptTblXTbl_HwDeg_u12p4[1]	896
t_SpdIptTblYTbl_MtrRadpS_u12p4[0]	1008
t_SpdIptTblYTbl_MtrRadpS_u12p4[1]	1392
t_TrqTableX_HwNm_u8p8[0]	2048
t_TrqTableX_HwNm_u8p8[1]	2304



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Name	Input Value		
t_TrqTbly_Uls_u2p14[0]	623		
t_TrqTbly_Uls_u2p14[1]	705		
target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value	-222.054001		
target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value	1		
target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value	650.370972		
target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value	1		
target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value	0		
target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value	0.986699998		
target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value	-888.049988		
target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value	-0.879999995		
target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value	-0.00800000038		
target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value	0.128000006		
target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value	3.89450002		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32	target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls_f32	target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32	target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_lgc	target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Uls_f32	target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32	target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm_f32	target_EOTActuatorMng_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32	target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32	target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph_f32	target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	7.04342031	7.04341984 ± 0.0000390625	✔
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	575.609985	575.609985 ± 0.0000390625	✔
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	2129694425	2129694425 ± 1	✔
EOTActuatorMng_FiltHWTqSV_HwNm_M_s7p24	-42825561	-42825561 ± 1	✔
EOTActuatorMng_OutputRampMultLtd_M_f32	0.128000006	0.128000006 ± 0.00390625	✔
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.991699219	0.991699219 ± 0.0625	✔
EOTActuatorMng_SESState_Uls_M_enum	SES_ENTERING	SES_ENTERING	✔
target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value	7.04342031	7.04341984 ± 0.00048828125	✔
target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value	0.991699219	0.991699219 ± 0.0000390625	✔
target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value	8.80000019	8.80000019 ± 0.00048828125	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	✓
EOTDetermination	1	EOTDetermination	1	✓
SES_DetLmtPos	1	SES_DetLmtPos	1	✓
SES_CalcExitGain	1	SES_CalcExitGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_CalcEnterGain	1	SES_CalcEnterGain	1	✓
BilinearXMYM_u16_u16XM_u16YM_Cnt	1	BilinearXMYM_u16_u16XM_u16YM_Cnt	1	✓
SES_CalcEOTGain	1	SES_CalcEOTGain	1	✓
SES_FiltEOTGain	1	SES_FiltEOTGain	1	✓
SES_CalcEOTDamp	1	SES_CalcEOTDamp	1	✓
BilinearXMYM_u16_u16XM_u16YM_Cnt	1	BilinearXMYM_u16_u16XM_u16YM_Cnt	1	✓
SES_StateCtrl	1	SES_StateCtrl	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	2	IntplVarXY_u16_u16Xu16Y_Cnt	2	✓
Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	✓

Test Step 2.46 (Repeat Count = 1)	
Name	Input Value
EOTActuatorMng_Damping_MtrNm_M_f32	7.5999999
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	131.339996
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	214748365
EOTActuatorMng_FiltHWTqSV_HwNm_M_s7p24	67108864
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.100000001
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL
Rte_Inst_Ap_EOTActuatorMng	target_Rte_Inst_Ap_EOTActuatorMng
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.69599998
k_EOTDefltPosition_HwDeg_u12p4	11184
k_EOTDeltaTrqThrsh_HwNm_u9p7	640
k_EOTDynConf_Uls_u8p8	51200
k_EOTEnterLPFKn_Cnt_u16	7567



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Name	Input Value
k_EOTExitLPFKn_Cnt_u16	5765
k_EOTImpSpdEn_Kph_u9p7	5504
k_EOTOriginalImpactandSoftEnd_Cnt_lgc	1
k_EOTPosDepDmpFinalSlew_MtrNmpS_T_f32	182.339996
k_EOTStateHwTrqLPFKn_Cnt_u16	2648
k_MaxRackTrvl_HwDeg_u12p4	2560
k_MinRackTrvl_HwDeg_u12p4	13680
k_PosRampStep_HwDeg_u12p4	11904
k_SoftStopEOTEnable_Cnt_lgc	1
k_SpdIptScale_MtrNmpRadpS_u4p12	93
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	1392
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	4160
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	4176
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	4192
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	3152
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	9440
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	9456
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	9472
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	2128
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	6368
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	6384
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	6400
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	688
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	2048
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	2064
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	2080
t2_EOTEnterGainY_Uls_u1p15[0][0]	11
t2_EOTEnterGainY_Uls_u1p15[0][1]	11
t2_EOTEnterGainY_Uls_u1p15[0][2]	206
t2_EOTEnterGainY_Uls_u1p15[0][3]	1999
t2_EOTEnterGainY_Uls_u1p15[1][0]	8
t2_EOTEnterGainY_Uls_u1p15[1][1]	9
t2_EOTEnterGainY_Uls_u1p15[1][2]	118
t2_EOTEnterGainY_Uls_u1p15[1][3]	1144
t2_EOTEnterGainY_Uls_u1p15[2][0]	9
t2_EOTEnterGainY_Uls_u1p15[2][1]	10
t2_EOTEnterGainY_Uls_u1p15[2][2]	147
t2_EOTEnterGainY_Uls_u1p15[2][3]	1429
t2_EOTEnterGainY_Uls_u1p15[3][0]	763
t2_EOTEnterGainY_Uls_u1p15[3][1]	78
t2_EOTEnterGainY_Uls_u1p15[3][2]	7
t2_EOTEnterGainY_Uls_u1p15[3][3]	7
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	410
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	581
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	213
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	302
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	228
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	323
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	395
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	560
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	912
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	1296
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	1056
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1440
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	768
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	1152
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	2656
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	3680
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]	280
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]	669
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]	7
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]	36
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]	243
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]	345
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]	334
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]	474
t_EOTDmpVspd_Kph_u9p7[0]	9344
t_EOTDmpVspd_Kph_u9p7[1]	27904
t_EOTDmpVspd_Kph_u9p7[2]	28032
t_EOTDmpVspd_Kph_u9p7[3]	28160
t_EOTEnterGainVspd_Kph_u9p7[0]	9344
t_EOTEnterGainVspd_Kph_u9p7[1]	27904
t_EOTEnterGainVspd_Kph_u9p7[2]	28032

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Name	Input Value		
t_EOTEnterGainVspd_Kph_u9p7[3]	28160		
t_SpdIptTbIXTbI_HwDeg_u12p4[0]	528		
t_SpdIptTbIXTbI_HwDeg_u12p4[1]	912		
t_SpdIptTbIYTbI_MtrRadpS_u12p4[0]	1024		
t_SpdIptTbIYTbI_MtrRadpS_u12p4[1]	1408		
t_TrqTableX_HwNm_u8p8[0]	1792		
t_TrqTableX_HwNm_u8p8[1]	2048		
t_TrqTbIY_Uls_u2p14[0]	639		
t_TrqTbIY_Uls_u2p14[1]	721		
target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value	-767.057007		
target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value	0		
target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value	777.281006		
target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value	1		
target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value	1		
target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value	0.730000019		
target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value	299.049988		
target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value	0.560000002		
target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value	0.0156399999		
target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value	0.795000017		
target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value	4.98400021		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32	target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls_f32	target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32	target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_lgc	target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Uls_f32	target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32	target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm_f32	target_EOTActuatorMng_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32	target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32	target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph_f32	target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	7.23532009	7.23532009 ± 0.0000390625	✔
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	131.339996	131.339996 ± 0.0000390625	✔
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	205085306	205085306 ± 1	✔
EOTActuatorMng_FiltHWTqSV_HwNm_M_s7p24	64775976	64775976 ± 1	✔
EOTActuatorMng_OutputRampMultLtd_M_f32	0.795000017	0.795000017 ± 0.00390625	✔
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.095489502	0.095489502 ± 0.0625	✔
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED	SES_DISABLED	✔
target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value	7.23532009	7.23532009 ± 0.00048828125	✔
target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value	0.095489502	0.095489502 ± 0.0000390625	✔
target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value	8.80000019	8.80000019 ± 0.00048828125	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	✓
EOTDetermination	1	EOTDetermination	1	✓
SES_DetLmtPos	1	SES_DetLmtPos	1	✓
SES_CalcExitGain	1	SES_CalcExitGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_CalcEnterGain	1	SES_CalcEnterGain	1	✓
BilinearXMYM_u16_u16XMu16YM_Cnt	1	BilinearXMYM_u16_u16XMu16YM_Cnt	1	✓
SES_CalcEOTGain	1	SES_CalcEOTGain	1	✓
SES_FiltEOTGain	1	SES_FiltEOTGain	1	✓
SES_CalcEOTDamp	1	SES_CalcEOTDamp	1	✓
BilinearXMYM_u16_u16XMu16YM_Cnt	1	BilinearXMYM_u16_u16XMu16YM_Cnt	1	✓
SES_StateCtrl	1	SES_StateCtrl	1	✓
Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	✓

Test Step 2.47 (Repeat Count = 1)	
Name	Input Value
EOTActuatorMng_Damping_MtrNm_M_f32	7.80000019
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	458.279999
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	1438814044
EOTActuatorMng_FiltHWTqSV_HwNm_M_s7p24	27850179
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL

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Name	Input Value
Rte_Inst_Ap_EOTActuatorMng	target_Rte_Inst_Ap_EOTActuatorMng
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.61500001
k_EOTDefltPosition_HwDeg_u12p4	11200
k_EOTDeltaTrqThrsh_HwNm_u9p7	768
k_EOTDynConf_Uls_u8p8	53760
k_EOTEnterLPFKn_Cnt_u16	5467
k_EOTExitLPFKn_Cnt_u16	3644
k_EOTImpSpdEn_Kph_u9p7	5632
k_EOTOriginalImpactandSoftEnd_Cnt_lgc	0
k_EOTPosDepDmpFinalSlew_MtrNmpS_T_f32	186.389999
k_EOTStateHwTrqLPFKn_Cnt_u16	8674
k_MaxRackTrvl_HwDeg_u12p4	2576
k_MinRackTrvl_HwDeg_u12p4	6192
k_PosRampStep_HwDeg_u12p4	3808
k_SoftStopEOTEnable_Cnt_lgc	0
k_SpdPtScale_MtrNmpRadps_u4p12	93
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	1408
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	4208
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	4224
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	4240
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	3168
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	9488
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	9504
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	9520
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	2144
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	6416
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	6432
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	6448
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	704
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	2096
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	2112
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	2128
t2_EOTEnterGainY_Uls_u1p15[0][0]	11
t2_EOTEnterGainY_Uls_u1p15[0][1]	12
t2_EOTEnterGainY_Uls_u1p15[0][2]	216
t2_EOTEnterGainY_Uls_u1p15[0][3]	2094
t2_EOTEnterGainY_Uls_u1p15[1][0]	8
t2_EOTEnterGainY_Uls_u1p15[1][1]	9
t2_EOTEnterGainY_Uls_u1p15[1][2]	127
t2_EOTEnterGainY_Uls_u1p15[1][3]	1239
t2_EOTEnterGainY_Uls_u1p15[2][0]	9
t2_EOTEnterGainY_Uls_u1p15[2][1]	10
t2_EOTEnterGainY_Uls_u1p15[2][2]	157
t2_EOTEnterGainY_Uls_u1p15[2][3]	1524
t2_EOTEnterGainY_Uls_u1p15[3][0]	859
t2_EOTEnterGainY_Uls_u1p15[3][1]	88
t2_EOTEnterGainY_Uls_u1p15[3][2]	7
t2_EOTEnterGainY_Uls_u1p15[3][3]	8
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	425
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	603
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	228
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	323
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	243
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	345
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	410
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	581
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	928
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	1312
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	1072
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1456
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	784
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	1168
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	3024
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	3760
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	431
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	419
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	73
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	103
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	259
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	366
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	349
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	495
t_EOTDmpVspd_Kph_u9p7[0]	9472

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Name	Input Value		
t_EOTDmpVspd_Kph_u9p7[1]	28288		
t_EOTDmpVspd_Kph_u9p7[2]	28416		
t_EOTDmpVspd_Kph_u9p7[3]	28544		
t_EOTEnterGainVspd_Kph_u9p7[0]	9472		
t_EOTEnterGainVspd_Kph_u9p7[1]	28288		
t_EOTEnterGainVspd_Kph_u9p7[2]	28416		
t_EOTEnterGainVspd_Kph_u9p7[3]	28544		
t_SpdIptTbIXTbI_HwDeg_u12p4[0]	544		
t_SpdIptTbIXTbI_HwDeg_u12p4[1]	928		
t_SpdIptTbIYTbI_MtrRadpS_u12p4[0]	1040		
t_SpdIptTbIYTbI_MtrRadpS_u12p4[1]	1424		
t_TrqTableX_HwNm_u8p8[0]	1536		
t_TrqTableX_HwNm_u8p8[1]	1792		
t_TrqTbIY_Uls_u2p14[0]	655		
t_TrqTbIY_Uls_u2p14[1]	737		
target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value	-777.086975		
target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value	1		
target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value	687.153992		
target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value	0		
target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value	0		
target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value	0.560000002		
target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value	146.850006		
target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value	8.5		
target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value	657		
target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value	0.611000001		
target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value	5.48899984		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32	target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls_f32	target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32	target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_lgc	target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Uls_f32	target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32	target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm_f32	target_EOTActuatorMng_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32	target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32	target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph_f32	target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	7.42722034	7.42721987 ± 0.0000390625	✔
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	700	700 ± 0.0000390625	✔
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	1318857130	1318857130 ± 1	✔
EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24	43047027	43047027 ± 1	✔
EOTActuatorMng_OutputRampMultLtd_M_f32	0.611000001	0.611000001 ± 0.00390625	✔
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.614135742	0.614135742 ± 0.0625	✔
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED	SES_DISABLED	✔
target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value	7.42722034	7.42721987 ± 0.00048828125	✔
target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value	0.614135742	0.614135742 ± 0.0000390625	✔
target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value	0	0 ± 0.00048828125	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	✓
EOTDetermination	1	EOTDetermination	1	✓
EOTOrigImpact	1	EOTOrigImpact	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_DetLmtPos	1	SES_DetLmtPos	1	✓
SES_CalcExitGain	1	SES_CalcExitGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_CalcEnterGain	1	SES_CalcEnterGain	1	✓
BilinearXMYM_u16_u16XM_u16YM_Cnt	1	BilinearXMYM_u16_u16XM_u16YM_Cnt	1	✓
SES_CalcEOTGain	1	SES_CalcEOTGain	1	✓
SES_FiltEOTGain	1	SES_FiltEOTGain	1	✓
SES_CalcEOTDamp	1	SES_CalcEOTDamp	1	✓
BilinearXMYM_u16_u16XM_u16YM_Cnt	1	BilinearXMYM_u16_u16XM_u16YM_Cnt	1	✓
SES_StateCtrl	1	SES_StateCtrl	1	✓
Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	✓

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EOTActuatorMng\_Per1

Test Step 2.48 (Repeat Count = 1)	
Name	Input Value
EOTActuatorMng_Damping_MtrNm_M_f32	8
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	672.159973
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	1159641170
EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24	46137344
EOTActuatorMng_PrevEOTGain_Uls_M_f32	1
EOTActuatorMng_SESState_Uls_M_enum	SES_ENTERING
Rte_Inst_Ap_EOTActuatorMng	target_Rte_Inst_Ap_EOTActuatorMng
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.200000003
k_EOTDefltPosition_HwDeg_u12p4	11216
k_EOTDeltaTrqThrsh_HwNm_u9p7	896
k_EOTDynConf_Uls_u8p8	0
k_EOTEnterLPFKn_Cnt_u16	8787
k_EOTExitLPFKn_Cnt_u16	7334
k_EOTImpSpdEn_Kph_u9p7	5760
k_EOTOriginalImpactandSoftEnd_Cnt_lgc	1
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32	190.440002
k_EOTStateHwTrqLPFKn_Cnt_u16	8475
k_MaxRackTrvl_HwDeg_u12p4	2592
k_MinRackTrvl_HwDeg_u12p4	14208
k_PosRampStep_HwDeg_u12p4	7648
k_SoftStopEOTEnable_Cnt_lgc	1
k_SpdIptScale_MtrNmpRadps_u4p12	93
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	1424
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	4256
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	4272
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	4288
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	3184
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	9536
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	9552
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	9568
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	2160
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	6464
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	6480
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	6496
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	720
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	2144
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	2160
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	2176
t2_EOTEnterGainY_Uls_u1p15[0][0]	11
t2_EOTEnterGainY_Uls_u1p15[0][1]	12
t2_EOTEnterGainY_Uls_u1p15[0][2]	225
t2_EOTEnterGainY_Uls_u1p15[0][3]	2189
t2_EOTEnterGainY_Uls_u1p15[1][0]	9
t2_EOTEnterGainY_Uls_u1p15[1][1]	9
t2_EOTEnterGainY_Uls_u1p15[1][2]	137
t2_EOTEnterGainY_Uls_u1p15[1][3]	1334
t2_EOTEnterGainY_Uls_u1p15[2][0]	10
t2_EOTEnterGainY_Uls_u1p15[2][1]	10
t2_EOTEnterGainY_Uls_u1p15[2][2]	167
t2_EOTEnterGainY_Uls_u1p15[2][3]	1619
t2_EOTEnterGainY_Uls_u1p15[3][0]	954
t2_EOTEnterGainY_Uls_u1p15[3][1]	98
t2_EOTEnterGainY_Uls_u1p15[3][2]	7
t2_EOTEnterGainY_Uls_u1p15[3][3]	8
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	440
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	624
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	243
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	345
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	259
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	366
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	425
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	603
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	320
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	0
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	1072
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1456
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	1072
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	1456
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	192
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	3392
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	452

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Name	Input Value		
t2_EOTPosDepDmpTbly_MtrNmpRadpS_u0p16[0][1]	569		
t2_EOTPosDepDmpTbly_MtrNmpRadpS_u0p16[1][0]	74		
t2_EOTPosDepDmpTbly_MtrNmpRadpS_u0p16[1][1]	105		
t2_EOTPosDepDmpTbly_MtrNmpRadpS_u0p16[2][0]	274		
t2_EOTPosDepDmpTbly_MtrNmpRadpS_u0p16[2][1]	388		
t2_EOTPosDepDmpTbly_MtrNmpRadpS_u0p16[3][0]	365		
t2_EOTPosDepDmpTbly_MtrNmpRadpS_u0p16[3][1]	517		
t_EOTDmpVspd_Kph_u9p7[0]	9600		
t_EOTDmpVspd_Kph_u9p7[1]	28672		
t_EOTDmpVspd_Kph_u9p7[2]	28800		
t_EOTDmpVspd_Kph_u9p7[3]	28928		
t_EOTEnterGainVspd_Kph_u9p7[0]	9600		
t_EOTEnterGainVspd_Kph_u9p7[1]	28672		
t_EOTEnterGainVspd_Kph_u9p7[2]	28800		
t_EOTEnterGainVspd_Kph_u9p7[3]	28928		
t_SpdpltTbIXTbI_HwDeg_u12p4[0]	560		
t_SpdpltTbIXTbI_HwDeg_u12p4[1]	944		
t_SpdpltTbIYTbI_MtrRadpS_u12p4[0]	1056		
t_SpdpltTbIYTbI_MtrRadpS_u12p4[1]	1440		
t_TrqTableX_HwNm_u8p8[0]	1280		
t_TrqTableX_HwNm_u8p8[1]	1536		
t_TrqTbly_Uls_u2p14[0]	672		
t_TrqTbly_Uls_u2p14[1]	754		
target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value	-579.314026		
target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value	1		
target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value	987.671997		
target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value	1		
target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value	0		
target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value	0.896000028		
target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value	-689.049988		
target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value	-8.5		
target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value	-456		
target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value	0.735000014		
target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value	6.46000004		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDamping	target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls	target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit_MtrI	target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f3	target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_lgc	target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Uls	target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_Hwl	target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm_f	target_EOTActuatorMng_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadpS	target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_OutputRampMultLtd	target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph_	target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	7.61912012	7.61912012 ± 0.0000390625	✔
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	701	701 ± 0.0000390625	✔
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	1004269436	1004269436 ± 1	✔
EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24	58612544	58612544 ± 1	✔
EOTActuatorMng_OutputRampMultLtd_M_f32	0.735000014	0.735000014 ± 0.00390625	✔
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.46762085	0.46762085 ± 0.0625	✔
EOTActuatorMng_SESState_Uls_M_enum	SES_ENTERING	SES_ENTERING	✔
target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value	7.61912012	7.61912012 ± 0.00048828125	✔
target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value	0.46762085	0.46762085 ± 0.0000390625	✔
target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value	0	0 ± 0.00048828125	✔

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EOTActuatorMng\_Per1

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	✓
EOTDetermination	1	EOTDetermination	1	✓
EOTOrigImpact	1	EOTOrigImpact	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_DetLmtPos	1	SES_DetLmtPos	1	✓
SES_CalcExitGain	1	SES_CalcExitGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_CalcEnterGain	1	SES_CalcEnterGain	1	✓
BilinearXYM_u16_u16XM_u16YM_Cnt	1	BilinearXYM_u16_u16XM_u16YM_Cnt	1	✓
SES_CalcEOTGain	1	SES_CalcEOTGain	1	✓
SES_FiltEOTGain	1	SES_FiltEOTGain	1	✓
SES_CalcEOTDamp	1	SES_CalcEOTDamp	1	✓
BilinearXYM_u16_u16XM_u16YM_Cnt	1	BilinearXYM_u16_u16XM_u16YM_Cnt	1	✓
SES_StateCtrl	1	SES_StateCtrl	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	2	IntplVarXY_u16_u16Xu16Y_Cnt	2	✓
Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	✓

Test Step 2.49 (Repeat Count = 1)	
Name	Input Value
EOTActuatorMng_Damping_MtrNm_M_f32	0
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	874.320007
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	858993459
EOTActuatorMng_FiltHWTqSV_HwNm_M_s7p24	64592282
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.5
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL
Rte_Inst_Ap_EOTActuatorMng	target_Rte_Inst_Ap_EOTActuatorMng
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.372000009
k_EOTDefltPosition_HwDeg_u12p4	11232
k_EOTDeltaTrqThrsh_HwNm_u9p7	1024
k_EOTDynConf_Uls_u8p8	58880
k_EOTEnterLPFKn_Cnt_u16	3458
k_EOTExitLPFKn_Cnt_u16	7856
k_EOTImpSpdEn_Kph_u9p7	5888
k_EOTOriginalImpactandSoftEnd_Cnt_lgc	0
k_EOTPosDepDempFinalSlew_MtrNmp_S_T_f32	194.490005
k_EOTStateHwTrqLPFKn_Cnt_u16	2546
k_MaxRackTrvl_HwDeg_u12p4	2608
k_MinRackTrvl_HwDeg_u12p4	15984
k_PosRampStep_HwDeg_u12p4	11952
k_SoftStopEOTEnable_Cnt_lgc	0
k_SpdIptScale_MtrNmpRadpS_u4p12	93
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	1440
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	4304
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	4320
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	4336
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	3200
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	9584
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	9600
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	9616
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	2176
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	6512
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	6528
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	6544
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	736
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	2192
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	2208
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	2224
t2_EOTEnterGainY_Uls_u1p15[0][0]	7
t2_EOTEnterGainY_Uls_u1p15[0][1]	7
t2_EOTEnterGainY_Uls_u1p15[0][2]	78
t2_EOTEnterGainY_Uls_u1p15[0][3]	763
t2_EOTEnterGainY_Uls_u1p15[1][0]	0
t2_EOTEnterGainY_Uls_u1p15[1][1]	4
t2_EOTEnterGainY_Uls_u1p15[1][2]	5
t2_EOTEnterGainY_Uls_u1p15[1][3]	300
t2_EOTEnterGainY_Uls_u1p15[2][0]	10
t2_EOTEnterGainY_Uls_u1p15[2][1]	10
t2_EOTEnterGainY_Uls_u1p15[2][2]	176



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Name	Input Value		
t2_EOTEnterGainY_Uls_u1p15[2][3]	1714		
t2_EOTEnterGainY_Uls_u1p15[3][0]	1049		
t2_EOTEnterGainY_Uls_u1p15[3][1]	108		
t2_EOTEnterGainY_Uls_u1p15[3][2]	8		
t2_EOTEnterGainY_Uls_u1p15[3][3]	8		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	334		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	474		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	243		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	345		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	274		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	388		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	440		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	624		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	320		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	0		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	1088		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1472		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	1088		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	1472		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	704		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	3408		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]	474		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]	719		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]	304		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]	431		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]	289		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]	409		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]	380		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]	538		
t_EOTDmpVspd_Kph_u9p7[0]	9728		
t_EOTDmpVspd_Kph_u9p7[1]	29056		
t_EOTDmpVspd_Kph_u9p7[2]	29184		
t_EOTDmpVspd_Kph_u9p7[3]	29312		
t_EOTEnterGainVspd_Kph_u9p7[0]	9728		
t_EOTEnterGainVspd_Kph_u9p7[1]	29056		
t_EOTEnterGainVspd_Kph_u9p7[2]	29184		
t_EOTEnterGainVspd_Kph_u9p7[3]	29312		
t_SpdIptTblXTbl_HwDeg_u12p4[0]	576		
t_SpdIptTblXTbl_HwDeg_u12p4[1]	960		
t_SpdIptTblYTbl_MtrRadpS_u12p4[0]	1072		
t_SpdIptTblYTbl_MtrRadpS_u12p4[1]	1456		
t_TrqTableX_HwNm_u8p8[0]	1024		
t_TrqTableX_HwNm_u8p8[1]	1280		
t_TrqTblY_Uls_u2p14[0]	688		
t_TrqTblY_Uls_u2p14[1]	770		
target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value	-896.528015		
target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value	1		
target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value	675.054016		
target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value	0		
target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value	0		
target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value	0.74000001		
target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value	-675.421021		
target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value	9.5		
target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value	897		
target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value	0.472000003		
target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value	7.78700018		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32	target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls_f32	target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32	target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_lgc	target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Uls_f32	target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32	target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm_f32	target_EOTActuatorMng_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32	target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32	target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph_f32	target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	0.388980031	0.388980001 ± 0.0000390625	✔
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	702	702 ± 0.0000390625	✔

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Name	Actual Value	Expected Value	Result
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	816307907	816307907 ± 1	✓
EOTActuatorMng_FiltHWTqSV_HwNm_M_s7p24	55892600	55892600 ± 1	✓
EOTActuatorMng_OutputRampMultLtd_M_f32	0.472000003	0.472000003 ± 0.00390625	✓
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.380096436	0.380096436 ± 0.0625	✓
EOTActuatorMng_SESSState_Uls_M_enum	SES_DISABLED	SES_DISABLED	✓
target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value	0.388980031	0.388980001 ± 0.00048828125	✓
target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value	0.380096436	0.380096436 ± 0.0000390625	✓
target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value	0	0 ± 0.00048828125	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	✓
EOTDetermination	1	EOTDetermination	1	✓
EOTOrigImpact	1	EOTOrigImpact	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_DetLmtPos	1	SES_DetLmtPos	1	✓
SES_CalcExitGain	1	SES_CalcExitGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_CalcEnterGain	1	SES_CalcEnterGain	1	✓
BilinearXMYM_u16_u16XM_u16YM_Cnt	1	BilinearXMYM_u16_u16XM_u16YM_Cnt	1	✓
SES_CalcEOTGain	1	SES_CalcEOTGain	1	✓
SES_FiltEOTGain	1	SES_FiltEOTGain	1	✓
SES_CalcEOTDamp	1	SES_CalcEOTDamp	1	✓
BilinearXMYM_u16_u16XM_u16YM_Cnt	1	BilinearXMYM_u16_u16XM_u16YM_Cnt	1	✓
SES_StateCtrl	1	SES_StateCtrl	1	✓
Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	✓

Test Step 2.50 (Repeat Count = 1)	
Name	Input Value
EOTActuatorMng_Damping_MtrNm_M_f32	8.10000038
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	400.079987
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	236223201
EOTActuatorMng_FiltHWTqSV_HwNm_M_s7p24	83886080
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.340000004
EOTActuatorMng_SESSState_Uls_M_enum	SES_NORMAL
Rte_Inst_Ap_EOTActuatorMng	target_Rte_Inst_Ap_EOTActuatorMng
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.465000004
k_EOTDefltPosition_HwDeg_u12p4	10480
k_EOTDeltaTrqThrsh_HwNm_u9p7	1152
k_EOTDynConf_Uls_u8p8	23040
k_EOTEnterLPFkn_Cnt_u16	3564
k_EOTExitLPFkn_Cnt_u16	3355
k_EOTImpSpdEn_Kph_u9p7	4096
k_EOTOriginalImpactandSoftEnd_Cnt_lgc	1
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32	198.539993
k_EOTStateHwTrqLPFkn_Cnt_u16	1111
k_MaxRackTrvl_HwDeg_u12p4	2384
k_MinRackTrvl_HwDeg_u12p4	7312
k_PosRampStep_HwDeg_u12p4	7104
k_SoftStopEOTEnable_Cnt_lgc	0
k_SpdPtScale_MtrNmpRadps_u4p12	93
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	1456
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	4352
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	4368
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	4384
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	3216
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	9632
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	9648
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	9664
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	2192
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	6560
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	6576
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	6592
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	752
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	2240
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	2256
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	2272
t2_EOTEnterGainY_Uls_u1p15[0][0]	7
t2_EOTEnterGainY_Uls_u1p15[0][1]	8
t2_EOTEnterGainY_Uls_u1p15[0][2]	88

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Name	Input Value
t2_EOTEnterGainY_Uls_u1p15[0][3]	859
t2_EOTEnterGainY_Uls_u1p15[1][0]	4
t2_EOTEnterGainY_Uls_u1p15[1][1]	5
t2_EOTEnterGainY_Uls_u1p15[1][2]	98
t2_EOTEnterGainY_Uls_u1p15[1][3]	980
t2_EOTEnterGainY_Uls_u1p15[2][0]	10
t2_EOTEnterGainY_Uls_u1p15[2][1]	11
t2_EOTEnterGainY_Uls_u1p15[2][2]	186
t2_EOTEnterGainY_Uls_u1p15[2][3]	1809
t2_EOTEnterGainY_Uls_u1p15[3][0]	478
t2_EOTEnterGainY_Uls_u1p15[3][1]	49
t2_EOTEnterGainY_Uls_u1p15[3][2]	6
t2_EOTEnterGainY_Uls_u1p15[3][3]	6
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	183
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	259
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	395
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	560
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	289
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	409
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	334
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	474
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	320
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	0
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	1104
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1488
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	1104
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	1488
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	256
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	3424
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]	87
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]	937
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]	319
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]	452
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]	304
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]	431
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]	395
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]	560
t_EOTDmpVspd_Kph_u9p7[0]	9856
t_EOTDmpVspd_Kph_u9p7[1]	29440
t_EOTDmpVspd_Kph_u9p7[2]	29568
t_EOTDmpVspd_Kph_u9p7[3]	29696
t_EOTEnterGainVspd_Kph_u9p7[0]	9856
t_EOTEnterGainVspd_Kph_u9p7[1]	29440
t_EOTEnterGainVspd_Kph_u9p7[2]	29568
t_EOTEnterGainVspd_Kph_u9p7[3]	29696
t_SpdIptTblXTbl_HwDeg_u12p4[0]	592
t_SpdIptTblXTbl_HwDeg_u12p4[1]	976
t_SpdIptTblYTbl_MtrRadpS_u12p4[0]	1088
t_SpdIptTblYTbl_MtrRadpS_u12p4[1]	1472
t_TrqTableX_HwNm_u8p8[0]	512
t_TrqTableX_HwNm_u8p8[1]	1024
t_TrqTblY_Uls_u2p14[0]	705
t_TrqTblY_Uls_u2p14[1]	786
target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value	-660.080994
target_EOTActuatorMng_Per1_CcwFound_Cnt_Igc.value	1
target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value	765.033997
target_EOTActuatorMng_Per1_CwFound_Cnt_Igc.value	0
target_EOTActuatorMng_Per1_EOTDisable_Cnt_Igc.value	1
target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value	1
target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value	-333.025391
target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value	-8.5
target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value	250
target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value	0.773000002
target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value	12.9463997
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32	target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls_f32	target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32	target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_Cnt_Igc	target_EOTActuatorMng_Per1_CcwFound_Cnt_Igc
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_Igc	target_EOTActuatorMng_Per1_CwFound_Cnt_Igc
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_Igc	target_EOTActuatorMng_Per1_EOTDisable_Cnt_Igc
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Uls_f32	target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32

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Name	Input Value		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_Hwl	target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm_f	target_EOTActuatorMng_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadpS	target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_OutputRampMultLtd	target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph	target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	7.70292044	7.70291996 ± 0.0000390625	✔
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	400.079987	400.079987 ± 0.0000390625	✔
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	223403493	223403493 ± 1	✔
EOTActuatorMng_FiltHwTrqSV_HwNm_M_s7p24	84881536	84881536 ± 1	✔
EOTActuatorMng_OutputRampMultLtd_M_f32	0.773000002	0.773000002 ± 0.00390625	✔
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.104003906	0.104003906 ± 0.0625	✔
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED	SES_DISABLED	✔
target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value	7.70292044	7.70291996 ± 0.00048828125	✔
target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value	0.104003906	0.104003906 ± 0.0000390625	✔
target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value	8.80000019	8.80000019 ± 0.00048828125	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	✓
EOTDetermination	1	EOTDetermination	1	✓
SES_DetLmtPos	1	SES_DetLmtPos	1	✓
SES_CalcExitGain	1	SES_CalcExitGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_CalcEnterGain	1	SES_CalcEnterGain	1	✓
BilinearXMYM_u16_u16XM_u16YM_Cnt	1	BilinearXMYM_u16_u16XM_u16YM_Cnt	1	✓
SES_CalcEOTGain	1	SES_CalcEOTGain	1	✓
SES_FiltEOTGain	1	SES_FiltEOTGain	1	✓
SES_CalcEOTDamp	1	SES_CalcEOTDamp	1	✓
BilinearXMYM_u16_u16XM_u16YM_Cnt	1	BilinearXMYM_u16_u16XM_u16YM_Cnt	1	✓
SES_StateCtrl	1	SES_StateCtrl	1	✓
Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	✓

Test Step 2.51 (Repeat Count = 1)	
Name	Input Value
EOTActuatorMng_Damping_MtrNm_M_f32	8.19999981
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	300.869995
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	1932735283
EOTActuatorMng_FiltHwTrqSV_HwNm_M_s7p24	-67108864
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.230000004
EOTActuatorMng_SESState_Uls_M_enum	SES_ENTERING
Rte_Inst_Ap_EOTActuatorMng	target_Rte_Inst_Ap_EOTActuatorMng
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.99000001
k_EOTDefltPosition_HwDeg_u12p4	12080
k_EOTDeltaTrqThrsh_HwNm_u9p7	1024
k_EOTDynConf_Uls_u8p8	25600
k_EOTEnterLPFKn_Cnt_u16	6543
k_EOTExitLPFKn_Cnt_u16	3535
k_EOTImpSpdEn_Kph_u9p7	4224
k_EOTOriginalImpactandSoftEnd_Cnt_lgc	0
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32	202.589996
k_EOTStateHwTrqLPFKn_Cnt_u16	2537
k_MaxRackTrvl_HwDeg_u12p4	2400
k_MinRackTrvl_HwDeg_u12p4	12064
k_PosRampStep_HwDeg_u12p4	5328
k_SoftStopEOTEnable_Cnt_lgc	1
k_SpdLptScale_MtrNmpRadpS_u4p12	93
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	1472
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	4400
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	4416
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	4432
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	3232
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	9680
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	9696
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	9712
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	2208
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	6608
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	6624
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	6640
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	768

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Name	Input Value
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	2288
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	2304
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	2320
t2_EOTEnterGainY_Uls_u1p15[0][0]	7
t2_EOTEnterGainY_Uls_u1p15[0][1]	8
t2_EOTEnterGainY_Uls_u1p15[0][2]	98
t2_EOTEnterGainY_Uls_u1p15[0][3]	954
t2_EOTEnterGainY_Uls_u1p15[1][0]	5
t2_EOTEnterGainY_Uls_u1p15[1][1]	5
t2_EOTEnterGainY_Uls_u1p15[1][2]	196
t2_EOTEnterGainY_Uls_u1p15[1][3]	1930
t2_EOTEnterGainY_Uls_u1p15[2][0]	7
t2_EOTEnterGainY_Uls_u1p15[2][1]	7
t2_EOTEnterGainY_Uls_u1p15[2][2]	78
t2_EOTEnterGainY_Uls_u1p15[2][3]	763
t2_EOTEnterGainY_Uls_u1p15[3][0]	573
t2_EOTEnterGainY_Uls_u1p15[3][1]	59
t2_EOTEnterGainY_Uls_u1p15[3][2]	6
t2_EOTEnterGainY_Uls_u1p15[3][3]	7
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	198
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	280
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	410
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	581
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	380
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	538
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	153
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	216
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	320
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	0
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	1120
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1504
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	1120
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	1504
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	288
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	3440
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]	108
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]	769
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]	334
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]	474
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]	68
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]	52
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]	10
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]	452
t_EOTDmpVspd_Kph_u9p7[0]	9984
t_EOTDmpVspd_Kph_u9p7[1]	29824
t_EOTDmpVspd_Kph_u9p7[2]	29952
t_EOTDmpVspd_Kph_u9p7[3]	30080
t_EOTEnterGainVspd_Kph_u9p7[0]	9984
t_EOTEnterGainVspd_Kph_u9p7[1]	29824
t_EOTEnterGainVspd_Kph_u9p7[2]	29952
t_EOTEnterGainVspd_Kph_u9p7[3]	30080
t_SpdIptTblXTbl_HwDeg_u12p4[0]	608
t_SpdIptTblXTbl_HwDeg_u12p4[1]	992
t_SpdIptTblYTbl_MtrRadpS_u12p4[0]	1104
t_SpdIptTblYTbl_MtrRadpS_u12p4[1]	1488
t_TrqTableX_HwNm_u8p8[0]	1792
t_TrqTableX_HwNm_u8p8[1]	2304
t_TrqTblY_Uls_u2p14[0]	721
t_TrqTblY_Uls_u2p14[1]	803
target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value	-777.544006
target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value	0
target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value	876.840027
target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value	1
target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value	0
target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value	1
target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value	444.047211
target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value	9.5
target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value	-250
target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value	0.684000015
target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value	13.0846004
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32	target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls	target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit_MtrNm	target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32

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Name	Input Value		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_lgc	target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Uls	target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_Hwl	target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm_f	target_EOTActuatorMng_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadpS	target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_OutputRampMultLtd	target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph	target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	7.79481983	7.79481983 ± 0.0000390625	✔
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	444.047211	444.047211 ± 0.0000390625	✔
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	1746017692	1746017692 ± 1	✔
EOTActuatorMng_FiltHWTqRSV_HwNm_M_s7p24	-58340992	-58340992 ± 1	✔
EOTActuatorMng_OutputRampMultLtd_M_f32	0.684000015	0.684000015 ± 0.00390625	✔
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.813049316	0.813049316 ± 0.0625	✔
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED	SES_DISABLED	✔
target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value	7.79481983	7.79481983 ± 0.00048828125	✔
target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value	0.813049316	0.813049316 ± 0.0000390625	✔
target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value	0	0 ± 0.00048828125	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	✓
EOTDetermination	1	EOTDetermination	1	✓
EOTOrigImpact	1	EOTOrigImpact	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_DetLmtPos	1	SES_DetLmtPos	1	✓
SES_CalcExitGain	1	SES_CalcExitGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_CalcEnterGain	1	SES_CalcEnterGain	1	✓
BilinearXYM_u16_u16XM_u16YM_Cnt	1	BilinearXYM_u16_u16XM_u16YM_Cnt	1	✓
SES_CalcEOTGain	1	SES_CalcEOTGain	1	✓
SES_FiltEOTGain	1	SES_FiltEOTGain	1	✓
SES_CalcEOTDamp	1	SES_CalcEOTDamp	1	✓
BilinearXYM_u16_u16XM_u16YM_Cnt	1	BilinearXYM_u16_u16XM_u16YM_Cnt	1	✓
SES_StateCtrl	1	SES_StateCtrl	1	✓
Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	✓

Test Step 2.52 (Repeat Count = 1)	
Name	Input Value
EOTActuatorMng_Damping_MtrNm_M_f32	-20.5
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	789.052002
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	1009317315
EOTActuatorMng_FiltHWTqSV_HwNm_M_s7p24	23991419
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.649999976
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL
Rte_Inst_Ap_EOTActuatorMng	target_Rte_Inst_Ap_EOTActuatorMng
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.606000006
k_EOTDefltPosition_HwDeg_u12p4	3200
k_EOTDeltaTrqThrsh_HwNm_u9p7	1152
k_EOTDynConf_Uls_u8p8	0
k_EOTEnterLPFKn_Cnt_u16	6544
k_EOTExitLPFKn_Cnt_u16	111
k_EOTImpSpdEn_Kph_u9p7	5376
k_EOTOriginalImpactandSoftEnd_Cnt_lgc	1
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32	206.639999
k_EOTStateHwTrqLPFKn_Cnt_u16	3754
k_MaxRackTrvl_HwDeg_u12p4	1776
k_MinRackTrvl_HwDeg_u12p4	14400
k_PosRampStep_HwDeg_u12p4	10848
k_SoftStopEOTEnable_Cnt_lgc	1
k_SpdIptScale_MtrNmpRadpS_u4p12	80
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	0
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	80
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	176
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	320
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	480

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Name	Input Value
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	1424
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	1440
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	1456
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1120
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	3344
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	3360
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	3376
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	1760
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	5264
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	5280
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	5296
t2_EOTEnterGainY_Uls_u1p15[0][0]	0
t2_EOTEnterGainY_Uls_u1p15[0][1]	3
t2_EOTEnterGainY_Uls_u1p15[0][2]	4
t2_EOTEnterGainY_Uls_u1p15[0][3]	5
t2_EOTEnterGainY_Uls_u1p15[1][0]	5
t2_EOTEnterGainY_Uls_u1p15[1][1]	6
t2_EOTEnterGainY_Uls_u1p15[1][2]	29
t2_EOTEnterGainY_Uls_u1p15[1][3]	288
t2_EOTEnterGainY_Uls_u1p15[2][0]	5
t2_EOTEnterGainY_Uls_u1p15[2][1]	5
t2_EOTEnterGainY_Uls_u1p15[2][2]	20
t2_EOTEnterGainY_Uls_u1p15[2][3]	193
t2_EOTEnterGainY_Uls_u1p15[3][0]	763
t2_EOTEnterGainY_Uls_u1p15[3][1]	78
t2_EOTEnterGainY_Uls_u1p15[3][2]	7
t2_EOTEnterGainY_Uls_u1p15[3][3]	7
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	76
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	108
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	77
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	108
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	77
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	108
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	32
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	44
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	448
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	1120
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	640
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1024
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	640
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	4016
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	400
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	544
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]	1
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]	44
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]	37
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]	194
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]	62
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]	87
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]	10
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]	452
t_EOTDmpVspd_Kph_u9p7[0]	3840
t_EOTDmpVspd_Kph_u9p7[1]	11392
t_EOTDmpVspd_Kph_u9p7[2]	11520
t_EOTDmpVspd_Kph_u9p7[3]	11648
t_EOTEnterGainVspd_Kph_u9p7[0]	3840
t_EOTEnterGainVspd_Kph_u9p7[1]	11392
t_EOTEnterGainVspd_Kph_u9p7[2]	11520
t_EOTEnterGainVspd_Kph_u9p7[3]	11648
t_SpdIptTblXTbl_HwDeg_u12p4[0]	64
t_SpdIptTblXTbl_HwDeg_u12p4[1]	224
t_SpdIptTblYTbl_MtrRadpS_u12p4[0]	400
t_SpdIptTblYTbl_MtrRadpS_u12p4[1]	544
t_TrqTableX_HwNm_u8p8[0]	512
t_TrqTableX_HwNm_u8p8[1]	2304
t_TrqTblY_Uls_u2p14[0]	16
t_TrqTblY_Uls_u2p14[1]	164
target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value	-888.109985
target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value	1
target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value	950.544006
target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value	1
target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value	0
target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value	0.779999971



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Name	Input Value		
target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value	800.01001		
target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value	-10		
target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value	0.100000001		
target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value	0.819000006		
target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value	10.0100002		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32	target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls	target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32	target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_lgc	target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Uls	target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32	target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm_f32	target_EOTActuatorMng_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32	target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32	target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph_f32	target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	-20.0867195	-20.0867195 ± 0.0000390625	✔
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	200	200 ± 0.0000390625	✔
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	908572435	908572435 ± 1	✔
EOTActuatorMng_FiltHWTqSV_HwNm_M_s7p24	13007215	13007215 ± 1	✔
EOTActuatorMng_OutputRampMultLtd_M_f32	0.819000006	0.819000006 ± 0.00390625	✔
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.423065186	0.423065186 ± 0.0625	✔
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL	SES_NORMAL	✔
target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value	-8.80000019	-8.80000019 ± 0.00048828125	✔
target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value	0.423065186	0.423065186 ± 0.0000390625	✔
target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value	0.486328125	0.486328125 ± 0.00048828125	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	✓
EOTDetermination	1	EOTDetermination	1	✓
EOTOrigImpact	1	EOTOrigImpact	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_DetLmtPos	1	SES_DetLmtPos	1	✓
SES_CalcExitGain	1	SES_CalcExitGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_CalcEnterGain	1	SES_CalcEnterGain	1	✓
BilinearXMYM_u16_u16XM_u16YM_Cnt	1	BilinearXMYM_u16_u16XM_u16YM_Cnt	1	✓
SES_CalcEOTGain	1	SES_CalcEOTGain	1	✓
SES_FiltEOTGain	1	SES_FiltEOTGain	1	✓
SES_CalcEOTDamp	1	SES_CalcEOTDamp	1	✓
BilinearXMYM_u16_u16XM_u16YM_Cnt	1	BilinearXMYM_u16_u16XM_u16YM_Cnt	1	✓
SES_StateCtrl	1	SES_StateCtrl	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	2	IntplVarXY_u16_u16Xu16Y_Cnt	2	✓
Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	✓

Test Step 2.53 (Repeat Count = 1)	
Name	Input Value
EOTActuatorMng_Damping_MtrNm_M_f32	20.5
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	300.040009
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	794568950
EOTActuatorMng_FiltHWTqSV_HwNm_M_s7p24	-148981678
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.540000021
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL
Rte_Inst_Ap_EOTActuatorMng	target_Rte_Inst_Ap_EOTActuatorMng
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.91900003
k_EOTDefltPosition_HwDeg_u12p4	4800
k_EOTDeltaTrqThrsh_HwNm_u9p7	1024
k_EOTDynConf_Uls_u8p8	5120
k_EOTEnterLPFkn_Cnt_u16	3643
k_EOTExitLPFkn_Cnt_u16	222
k_EOTImpSpdEn_Kph_u9p7	5504
k_EOTOriginalImpactandSoftEnd_Cnt_lgc	0
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32	1200
k_EOTStateHwTrqLPFkn_Cnt_u16	2436
k_MaxRackTrvl_HwDeg_u12p4	3552

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Name	Input Value
k_MinRackTrvl_HwDeg_u12p4	15456
k_PosRampStep_HwDeg_u12p4	2016
k_SoftStopEOTEnable_Cnt_lgc	1
k_SpdIptScale_MtrNmpRadps_u4p12	80
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	160
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	320
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	480
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	640
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	496
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	1472
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	1488
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	1504
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1136
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	3392
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	3408
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	3424
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	1776
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	5312
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	5328
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	5344
t2_EOTEnterGainY_Uls_u1p15[0][0]	4
t2_EOTEnterGainY_Uls_u1p15[0][1]	5
t2_EOTEnterGainY_Uls_u1p15[0][2]	10
t2_EOTEnterGainY_Uls_u1p15[0][3]	98
t2_EOTEnterGainY_Uls_u1p15[1][0]	5
t2_EOTEnterGainY_Uls_u1p15[1][1]	6
t2_EOTEnterGainY_Uls_u1p15[1][2]	39
t2_EOTEnterGainY_Uls_u1p15[1][3]	383
t2_EOTEnterGainY_Uls_u1p15[2][0]	5
t2_EOTEnterGainY_Uls_u1p15[2][1]	6
t2_EOTEnterGainY_Uls_u1p15[2][2]	29
t2_EOTEnterGainY_Uls_u1p15[2][3]	288
t2_EOTEnterGainY_Uls_u1p15[3][0]	859
t2_EOTEnterGainY_Uls_u1p15[3][1]	88
t2_EOTEnterGainY_Uls_u1p15[3][2]	7
t2_EOTEnterGainY_Uls_u1p15[3][3]	8
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	16
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	22
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	92
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	130
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	92
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	130
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	16
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	22
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	480
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	1136
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	656
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1040
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	672
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	4032
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	416
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	560
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	22
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	160
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	153
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	216
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	77
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	108
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	52
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	68
t_EOTDmpVspd_Kph_u9p7[0]	3968
t_EOTDmpVspd_Kph_u9p7[1]	11776
t_EOTDmpVspd_Kph_u9p7[2]	11904
t_EOTDmpVspd_Kph_u9p7[3]	12032
t_EOTEnterGainVspd_Kph_u9p7[0]	3968
t_EOTEnterGainVspd_Kph_u9p7[1]	11776
t_EOTEnterGainVspd_Kph_u9p7[2]	11904
t_EOTEnterGainVspd_Kph_u9p7[3]	12032
t_SpdIptTblXTbl_HwDeg_u12p4[0]	48
t_SpdIptTblXTbl_HwDeg_u12p4[1]	240
t_SpdIptTblYTbl_MtrRadps_u12p4[0]	416
t_SpdIptTblYTbl_MtrRadps_u12p4[1]	560
t_TrqTableX_HwNm_u8p8[0]	512

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Name	Input Value		
t_TrqTableX_HwNm_u8p8[1]	2048		
t_TrqTblY_Uls_u2p14[0]	33		
t_TrqTblY_Uls_u2p14[1]	328		
target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value	-500.440002		
target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value	0		
target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value	500.049988		
target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value	0		
target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value	1		
target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value	0.319999993		
target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value	-200.029999		
target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value	10		
target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value	0.200000003		
target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value	0.856999993		
target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value	8.02000046		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDamping	target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls	target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit_MtrNm	target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_lgc	target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Uls	target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32	target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm_f32	target_EOTActuatorMng_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32	target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32	target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph_f32	target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	18.1000004	18.1000004 ± 0.0000390625	✔
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	300.040009	300.040009 ± 0.0000390625	✔
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	750758232	750758232 ± 1	✔
EOTActuatorMng_FiltHWTqSV_HwNm_M_s7p24	-149678374	-149678374 ± 1	✔
EOTActuatorMng_OutputRampMultLtd_M_f32	0.856999993	0.856999993 ± 0.00390625	✔
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.349578857	0.349578857 ± 0.0625	✔
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED	SES_DISABLED	✔
target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value	8.80000019	8.80000019 ± 0.00048828125	✔
target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value	0.349578857	0.349578857 ± 0.0000390625	✔
target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value	8.80000019	8.80000019 ± 0.00048828125	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	✓
EOTDetermination	1	EOTDetermination	1	✓
SES_DetLmtPos	1	SES_DetLmtPos	1	✓
SES_CalcExitGain	1	SES_CalcExitGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_CalcEnterGain	1	SES_CalcEnterGain	1	✓
BilinearXYM_u16_u16XM_u16YM_Cnt	1	BilinearXYM_u16_u16XM_u16YM_Cnt	1	✓
SES_CalcEOTGain	1	SES_CalcEOTGain	1	✓
SES_FiltEOTGain	1	SES_FiltEOTGain	1	✓
SES_CalcEOTDamp	1	SES_CalcEOTDamp	1	✓
BilinearXYM_u16_u16XM_u16YM_Cnt	1	BilinearXYM_u16_u16XM_u16YM_Cnt	1	✓
SES_StateCtrl	1	SES_StateCtrl	1	✓
Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	✓

Test Step 2.54 (Repeat Count = 1)	
Name	Input Value
EOTActuatorMng_Damping_MtrNm_M_f32	0
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	567.25
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	579820585
EOTActuatorMng_FiltHWTqSV_HwNm_M_s7p24	130358968
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.430000007
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL
Rte_Inst_Ap_EOTActuatorMng	target_Rte_Inst_Ap_EOTActuatorMng
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.86500001
k_EOTDefltPosition_HwDeg_u12p4	6400
k_EOTDeltaTrqThrsh_HwNm_u9p7	896
k_EOTDynConf_Uls_u8p8	7680
k_EOTEnterLPFKn_Cnt_u16	854

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Name	Input Value
k_EOTExitLPFKn_Cnt_u16	333
k_EOTImpSpdEn_Kph_u9p7	5632
k_EOTOriginalImpactandSoftEnd_Cnt_lgc	1
k_EOTPosDepDmpFinalSlew_MtrNmpS_T_f32	190.440002
k_EOTStateHwTrqLPFKn_Cnt_u16	9999
k_MaxRackTrvl_HwDeg_u12p4	5328
k_MinRackTrvl_HwDeg_u12p4	20400
k_PosRampStep_HwDeg_u12p4	5696
k_SoftStopEOTEnable_Cnt_lgc	0
k_SpdIptScale_MtrNmpRadpS_u4p12	81
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	800
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	960
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	1120
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	1280
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	512
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	1520
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	1536
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	1552
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1152
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	3440
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	3456
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	3472
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	1792
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	5360
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	5376
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	5392
t2_EOTEnterGainY_Uls_u1p15[0][0]	5
t2_EOTEnterGainY_Uls_u1p15[0][1]	5
t2_EOTEnterGainY_Uls_u1p15[0][2]	20
t2_EOTEnterGainY_Uls_u1p15[0][3]	193
t2_EOTEnterGainY_Uls_u1p15[1][0]	6
t2_EOTEnterGainY_Uls_u1p15[1][1]	6
t2_EOTEnterGainY_Uls_u1p15[1][2]	49
t2_EOTEnterGainY_Uls_u1p15[1][3]	478
t2_EOTEnterGainY_Uls_u1p15[2][0]	383
t2_EOTEnterGainY_Uls_u1p15[2][1]	39
t2_EOTEnterGainY_Uls_u1p15[2][2]	5
t2_EOTEnterGainY_Uls_u1p15[2][3]	6
t2_EOTEnterGainY_Uls_u1p15[3][0]	954
t2_EOTEnterGainY_Uls_u1p15[3][1]	98
t2_EOTEnterGainY_Uls_u1p15[3][2]	7
t2_EOTEnterGainY_Uls_u1p15[3][3]	8
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	32
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	44
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	16
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	22
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	4
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	26
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	62
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	87
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	512
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	1152
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	672
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1056
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	704
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	4048
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	432
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	576
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]	44
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]	315
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]	88
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]	12
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]	92
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]	130
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]	99
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]	698
t_EOTDmpVspd_Kph_u9p7[0]	4096
t_EOTDmpVspd_Kph_u9p7[1]	12160
t_EOTDmpVspd_Kph_u9p7[2]	12288
t_EOTDmpVspd_Kph_u9p7[3]	12416
t_EOTEnterGainVspd_Kph_u9p7[0]	4096
t_EOTEnterGainVspd_Kph_u9p7[1]	12160
t_EOTEnterGainVspd_Kph_u9p7[2]	12288

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Name	Input Value
t_EOTEnterGainVspd_Kph_u9p7[3]	12416
t_SpdIptTbIXTbI_HwDeg_u12p4[0]	32
t_SpdIptTbIXTbI_HwDeg_u12p4[1]	256
t_SpdIptTbIYTbI_MtrRadpS_u12p4[0]	432
t_SpdIptTbIYTbI_MtrRadpS_u12p4[1]	576
t_TrqTableX_HwNm_u8p8[0]	512
t_TrqTableX_HwNm_u8p8[1]	1792
t_TrqTbIY_Uls_u2p14[0]	49
t_TrqTbIY_Uls_u2p14[1]	492
target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value	-775.780029
target_EOTActuatorMng_Per1_CcwFound_Cnt_Igc.value	1
target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value	850.21698
target_EOTActuatorMng_Per1_CwFound_Cnt_Igc.value	1
target_EOTActuatorMng_Per1_EOTDisable_Cnt_Igc.value	0
target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value	0.819999993
target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value	700.049988
target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value	0
target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value	0.300000012
target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value	0.0829999968
target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value	11.0299997
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32	target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls_f32	target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32	target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_Cnt_Igc	target_EOTActuatorMng_Per1_CcwFound_Cnt_Igc
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_Igc	target_EOTActuatorMng_Per1_CwFound_Cnt_Igc
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_Igc	target_EOTActuatorMng_Per1_EOTDisable_Cnt_Igc
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Uls_f32	target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32	target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm_f32	target_EOTActuatorMng_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32	target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32	target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph_f32	target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32

Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	0.000201416027	0.000201415998 ± 0.0000390625	✓
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	400	400 ± 0.0000390625	✓
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	572430069	572430069 ± 1	✓
EOTActuatorMng_FiltHWTqSV_HwNm_M_s7p24	110470957	110470957 ± 1	✓
EOTActuatorMng_OutputRampMultLtd_M_f32	0.0829999968	0.0829999968 ± 0.00390625	✓
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.266540527	0.266540527 ± 0.0625	✓
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED	SES_DISABLED	✓
target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value	0.000201416027	0.000201415998 ± 0.00048828125	✓
target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value	0.266540527	0.266540527 ± 0.0000390625	✓
target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value	0.528002918	0.528002918 ± 0.00048828125	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	✓
EOTDetermination	1	EOTDetermination	1	✓
EOTOrigImpact	1	EOTOrigImpact	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_DetLmtPos	1	SES_DetLmtPos	1	✓
SES_CalcExitGain	1	SES_CalcExitGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_CalcEnterGain	1	SES_CalcEnterGain	1	✓
BilinearXMYM_u16_u16XMu16YM_Cnt	1	BilinearXMYM_u16_u16XMu16YM_Cnt	1	✓
SES_CalcEOTGain	1	SES_CalcEOTGain	1	✓
SES_FiltEOTGain	1	SES_FiltEOTGain	1	✓
SES_CalcEOTDamp	1	SES_CalcEOTDamp	1	✓
BilinearXMYM_u16_u16XMu16YM_Cnt	1	BilinearXMYM_u16_u16XMu16YM_Cnt	1	✓
SES_StateCtrl	1	SES_StateCtrl	1	✓
Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	✓

Test Step 2.55 (Repeat Count = 1)	
Name	Input Value
EOTActuatorMng_Damping_MtrNm_M_f32	-2.79999995
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	456.540009
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	365072220
EOTActuatorMng_FiltHWTqSV_HwNm_M_s7p24	-111736259

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Name	Input Value
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.319999993
EOTActuatorMng_SESState_Uls_M_enum	SES_ENTERING
Rte_Inst_Ap_EOTActuatorMng	target_Rte_Inst_Ap_EOTActuatorMng
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.0430000015
k_EOTDefltPosition_HwDeg_u12p4	8000
k_EOTDeltaTrqThrsh_HwNm_u9p7	768
k_EOTDynConf_Uls_u8p8	10240
k_EOTEnterLPFKn_Cnt_u16	799
k_EOTExitLPFKn_Cnt_u16	444
k_EOTImpSpdEn_Kph_u9p7	5760
k_EOTOriginalImpactandSoftEnd_Cnt_lgc	0
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32	290.440002
k_EOTStateHwTrqLPFKn_Cnt_u16	8888
k_MaxRackTrvl_HwDeg_u12p4	7104
k_MinRackTrvl_HwDeg_u12p4	15616
k_PosRampStep_HwDeg_u12p4	10816
k_SoftStopEOTEnable_Cnt_lgc	1
k_SpdIptScale_MtrNmpRadps_u4p12	81
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	1440
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	1600
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	1760
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	1920
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	528
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	1568
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	1584
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	1600
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1168
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	3488
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	3504
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	3520
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	1808
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	5408
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	5424
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	5440
t2_EOTEnterGainY_Uls_u1p15[0][0]	5
t2_EOTEnterGainY_Uls_u1p15[0][1]	6
t2_EOTEnterGainY_Uls_u1p15[0][2]	29
t2_EOTEnterGainY_Uls_u1p15[0][3]	288
t2_EOTEnterGainY_Uls_u1p15[1][0]	6
t2_EOTEnterGainY_Uls_u1p15[1][1]	7
t2_EOTEnterGainY_Uls_u1p15[1][2]	59
t2_EOTEnterGainY_Uls_u1p15[1][3]	573
t2_EOTEnterGainY_Uls_u1p15[2][0]	478
t2_EOTEnterGainY_Uls_u1p15[2][1]	49
t2_EOTEnterGainY_Uls_u1p15[2][2]	6
t2_EOTEnterGainY_Uls_u1p15[2][3]	6
t2_EOTEnterGainY_Uls_u1p15[3][0]	1049
t2_EOTEnterGainY_Uls_u1p15[3][1]	108
t2_EOTEnterGainY_Uls_u1p15[3][2]	8
t2_EOTEnterGainY_Uls_u1p15[3][3]	8
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	76
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	108
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	122
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	173
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	122
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	173
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	77
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	108
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	544
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	1168
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	688
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1072
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	784
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	4064
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	448
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	592
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	1
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	109
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	259
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	183
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	102
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	452
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	4

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Name	Input Value		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]	713		
t_EOTDmpVspd_Kph_u9p7[0]	4224		
t_EOTDmpVspd_Kph_u9p7[1]	12544		
t_EOTDmpVspd_Kph_u9p7[2]	12672		
t_EOTDmpVspd_Kph_u9p7[3]	12800		
t_EOTEnterGainVspd_Kph_u9p7[0]	4224		
t_EOTEnterGainVspd_Kph_u9p7[1]	12544		
t_EOTEnterGainVspd_Kph_u9p7[2]	12672		
t_EOTEnterGainVspd_Kph_u9p7[3]	12800		
t_SpdIptTblXTbl_HwDeg_u12p4[0]	16		
t_SpdIptTblXTbl_HwDeg_u12p4[1]	272		
t_SpdIptTblYTbl_MtrRadpS_u12p4[0]	448		
t_SpdIptTblYTbl_MtrRadpS_u12p4[1]	592		
t_TrqTableX_HwNm_u8p8[0]	512		
t_TrqTableX_HwNm_u8p8[1]	1536		
t_TrqTblY_Uls_u2p14[0]	66		
t_TrqTblY_Uls_u2p14[1]	655		
target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value	-666.450012		
target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value	0		
target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value	777.539978		
target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value	0		
target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value	1		
target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value	0.449999988		
target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value	-600.039978		
target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value	-5		
target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value	-0.400000006		
target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value	0.75		
target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value	15.04		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32	target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls_f32	target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32	target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_lgc	target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Uls_f32	target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32	target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm_f32	target_EOTActuatorMng_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32	target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32	target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph_f32	target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	-2.21912003	-2.21912003 ± 0.0000390625	✔
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	456.540009	456.540009 ± 0.0000390625	✔
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	360851902	360851902 ± 1	✔
EOTActuatorMng_FiltHwTrqSV_HwNm_M_s7p24	-85205579	-85205579 ± 1	✔
EOTActuatorMng_OutputRampMultLtd_M_f32	0.75	0.75 ± 0.00390625	✔
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.168029785	0.168029785 ± 0.0625	✔
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED	SES_DISABLED	✔
target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value	-2.21912003	-2.21912003 ± 0.00048828125	✔
target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value	0.168029785	0.168029785 ± 0.0000390625	✔
target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value	8.80000019	8.80000019 ± 0.00048828125	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	✓
EOTDetermination	1	EOTDetermination	1	✓
SES_DetLmtPos	1	SES_DetLmtPos	1	✓
SES_CalcExitGain	1	SES_CalcExitGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_CalcEnterGain	1	SES_CalcEnterGain	1	✓
BilinearXMYM_u16_u16XM_u16YM_Cnt	1	BilinearXMYM_u16_u16XM_u16YM_Cnt	1	✓
SES_CalcEOTGain	1	SES_CalcEOTGain	1	✓
SES_FiltEOTGain	1	SES_FiltEOTGain	1	✓
SES_CalcEOTDamp	1	SES_CalcEOTDamp	1	✓
BilinearXMYM_u16_u16XM_u16YM_Cnt	1	BilinearXMYM_u16_u16XM_u16YM_Cnt	1	✓
SES_StateCtrl	1	SES_StateCtrl	1	✓
Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	✓



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Test Step 2.56 (Repeat Count = 1)	
Name	Input Value
EOTActuatorMng_Damping_MtrNm_M_f32	2.4000001
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	345.653992
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	1997159793
EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24	93113549
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.209999993
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL
Rte_Inst_Ap_EOTActuatorMng	target_Rte_Inst_Ap_EOTActuatorMng
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.69599998
k_EOTDefltPosition_HwDeg_u12p4	9600
k_EOTDeltaTrqThrsh_HwNm_u9p7	640
k_EOTDynConf_Uls_u8p8	12800
k_EOTEnterLPFKn_Cnt_u16	600
k_EOTExitLPFKn_Cnt_u16	555
k_EOTImpSpdEn_Kph_u9p7	5888
k_EOTOriginalImpactandSoftEnd_Cnt_lgc	1
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32	390.440002
k_EOTStateHwTrqLPFKn_Cnt_u16	7777
k_MaxRackTrvl_HwDeg_u12p4	8880
k_MinRackTrvl_HwDeg_u12p4	14336
k_PosRampStep_HwDeg_u12p4	4096
k_SoftStopEOTEnable_Cnt_lgc	0
k_SpdIptScale_MtrNmpRadps_u4p12	82
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	0
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	96
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	160
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	352
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	544
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	1616
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	1632
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	1648
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1184
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	3536
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	3552
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	3568
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	1824
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	5456
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	5472
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	5488
t2_EOTEnterGainY_Uls_u1p15[0][0]	5
t2_EOTEnterGainY_Uls_u1p15[0][1]	6
t2_EOTEnterGainY_Uls_u1p15[0][2]	39
t2_EOTEnterGainY_Uls_u1p15[0][3]	383
t2_EOTEnterGainY_Uls_u1p15[1][0]	6
t2_EOTEnterGainY_Uls_u1p15[1][1]	7
t2_EOTEnterGainY_Uls_u1p15[1][2]	69
t2_EOTEnterGainY_Uls_u1p15[1][3]	668
t2_EOTEnterGainY_Uls_u1p15[2][0]	573
t2_EOTEnterGainY_Uls_u1p15[2][1]	59
t2_EOTEnterGainY_Uls_u1p15[2][2]	6
t2_EOTEnterGainY_Uls_u1p15[2][3]	7
t2_EOTEnterGainY_Uls_u1p15[3][0]	1144
t2_EOTEnterGainY_Uls_u1p15[3][1]	118
t2_EOTEnterGainY_Uls_u1p15[3][2]	8
t2_EOTEnterGainY_Uls_u1p15[3][3]	9
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	62
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	87
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	137
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	194
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	137
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	194
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	92
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	130
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	576
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	1184
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	704
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1088
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	768
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	4080
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	464
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	608
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	87

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Name	Input Value		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]	937		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]	280		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]	198		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]	122		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]	173		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]	103		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]	728		
t_EOTDmpVspd_Kph_u9p7[0]	4352		
t_EOTDmpVspd_Kph_u9p7[1]	12928		
t_EOTDmpVspd_Kph_u9p7[2]	13056		
t_EOTDmpVspd_Kph_u9p7[3]	13184		
t_EOTEnterGainVspd_Kph_u9p7[0]	4352		
t_EOTEnterGainVspd_Kph_u9p7[1]	12928		
t_EOTEnterGainVspd_Kph_u9p7[2]	13056		
t_EOTEnterGainVspd_Kph_u9p7[3]	13184		
t_SpdIptTblXTbl_HwDeg_u12p4[0]	0		
t_SpdIptTblXTbl_HwDeg_u12p4[1]	288		
t_SpdIptTblYTbl_MtrRadpS_u12p4[0]	464		
t_SpdIptTblYTbl_MtrRadpS_u12p4[1]	608		
t_TrqTableX_HwNm_u8p8[0]	768		
t_TrqTableX_HwNm_u8p8[1]	1280		
t_TrqTblY_Uls_u2p14[0]	82		
t_TrqTblY_Uls_u2p14[1]	819		
target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value	-665.140015		
target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value	1		
target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value	750.14502		
target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value	1		
target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value	0		
target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value	0.829999983		
target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value	600.070007		
target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value	5		
target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value	0.5		
target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value	0.771000028		
target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value	16.0499992		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32	target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls_f32	target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32	target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_lgc	target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Uls_f32	target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32	target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm_f32	target_EOTActuatorMng_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32	target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32	target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph_f32	target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	1.61912012	1.61912 ± 0.0000390625	✔
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	600	600 ± 0.0000390625	✔
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	1979105193	1979105193 ± 1	✔
EOTActuatorMng_FiltHWTqSV_HwNm_M_s7p24	92024769	92024769 ± 1	✔
EOTActuatorMng_OutputRampMultLtd_M_f32	0.771000028	0.771000028 ± 0.00390625	✔
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.921569824	0.921569824 ± 0.0625	✔
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED	SES_DISABLED	✔
target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value	1.61912012	1.61912 ± 0.00048828125	✔
target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value	0.921569824	0.921569824 ± 0.0000390625	✔
target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value	0.570556641	0.570556641 ± 0.00048828125	✔

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## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	✓
EOTDetermination	1	EOTDetermination	1	✓
EOTOrigImpact	1	EOTOrigImpact	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_DetLmtPos	1	SES_DetLmtPos	1	✓
SES_CalcExitGain	1	SES_CalcExitGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_CalcEnterGain	1	SES_CalcEnterGain	1	✓
BilinearXYM_u16_u16XM_u16YM_Cnt	1	BilinearXYM_u16_u16XM_u16YM_Cnt	1	✓
SES_CalcEOTGain	1	SES_CalcEOTGain	1	✓
SES_FiltEOTGain	1	SES_FiltEOTGain	1	✓
SES_CalcEOTDamp	1	SES_CalcEOTDamp	1	✓
BilinearXYM_u16_u16XM_u16YM_Cnt	1	BilinearXYM_u16_u16XM_u16YM_Cnt	1	✓
SES_StateCtrl	1	SES_StateCtrl	1	✓
Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	✓

## Test Step 2.57 (Repeat Count = 1)

Name	Input Value
EOTActuatorMng_Damping_MtrNm_M_f32	0
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	234.052002
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	1782411428
EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24	-74490839
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.310000002
EOTActuatorMng_SESState_Uls_M_enum	SES_ENTERING
Rte_Inst_Ap_EOTActuatorMng	target_Rte_Inst_Ap_EOTActuatorMng
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.61500001
k_EOTDefltPosition_HwDeg_u12p4	11200
k_EOTDeltaTrqThrsh_HwNm_u9p7	512
k_EOTDynConf_Uls_u8p8	15360
k_EOTEnterLPFKn_Cnt_u16	500
k_EOTExitLPFKn_Cnt_u16	666
k_EOTImpSpdEn_Kph_u9p7	6016
k_EOTOriginalImpactandSoftEnd_Cnt_lgc	0
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32	490.440002
k_EOTStateHwTrqLPFKn_Cnt_u16	6666
k_MaxRackTrvl_HwDeg_u12p4	10656
k_MinRackTrvl_HwDeg_u12p4	11920
k_PosRampStep_HwDeg_u12p4	9008
k_SoftStopEOTEnable_Cnt_lgc	1
k_SpdIptScale_MtrNmpRadpS_u4p12	82
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	160
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	336
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	480
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	656
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	560
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	1664
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	1680
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	1696
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1200
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	3584
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	3600
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	3616
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	1840
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	5504
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	5520
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	5536
t2_EOTEnterGainY_Uls_u1p15[0][0]	6
t2_EOTEnterGainY_Uls_u1p15[0][1]	6
t2_EOTEnterGainY_Uls_u1p15[0][2]	478
t2_EOTEnterGainY_Uls_u1p15[0][3]	49
t2_EOTEnterGainY_Uls_u1p15[1][0]	7
t2_EOTEnterGainY_Uls_u1p15[1][1]	7
t2_EOTEnterGainY_Uls_u1p15[1][2]	78
t2_EOTEnterGainY_Uls_u1p15[1][3]	763
t2_EOTEnterGainY_Uls_u1p15[2][0]	668
t2_EOTEnterGainY_Uls_u1p15[2][1]	69
t2_EOTEnterGainY_Uls_u1p15[2][2]	6
t2_EOTEnterGainY_Uls_u1p15[2][3]	7

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Name	Input Value		
t2_EOTEnterGainY_Uls_u1p15[3][0]	1239		
t2_EOTEnterGainY_Uls_u1p15[3][1]	127		
t2_EOTEnterGainY_Uls_u1p15[3][2]	8		
t2_EOTEnterGainY_Uls_u1p15[3][3]	9		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	77		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	108		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	153		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	216		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	153		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	216		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	107		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	151		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	608		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	1200		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	720		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1104		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	800		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	4096		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	480		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	624		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]	108		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]	769		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]	302		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]	213		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]	137		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]	194		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]	74		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]	105		
t_EOTDmpVspd_Kph_u9p7[0]	4480		
t_EOTDmpVspd_Kph_u9p7[1]	13312		
t_EOTDmpVspd_Kph_u9p7[2]	13440		
t_EOTDmpVspd_Kph_u9p7[3]	13568		
t_EOTEnterGainVspd_Kph_u9p7[0]	4480		
t_EOTEnterGainVspd_Kph_u9p7[1]	13312		
t_EOTEnterGainVspd_Kph_u9p7[2]	13440		
t_EOTEnterGainVspd_Kph_u9p7[3]	13568		
t_SpdIptTblXTbl_HwDeg_u12p4[0]	144		
t_SpdIptTblXTbl_HwDeg_u12p4[1]	304		
t_SpdIptTblYTbl_MtrRadpS_u12p4[0]	480		
t_SpdIptTblYTbl_MtrRadpS_u12p4[1]	624		
t_TrqTableX_HwNm_u8p8[0]	256		
t_TrqTableX_HwNm_u8p8[1]	1024		
t_TrqTblY_Uls_u2p14[0]	16		
t_TrqTblY_Uls_u2p14[1]	98		
target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value	-555.349976		
target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value	0		
target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value	0		
target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value	1		
target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value	1		
target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value	0.230000004		
target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value	-500.170013		
target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value	1.100000002		
target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value	-0.6000000024		
target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value	0.2700000011		
target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value	17.0599995		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32	target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls_f32	target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32	target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_lgc	target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Uls_f32	target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32	target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm_f32	target_EOTActuatorMng_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32	target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32	target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph_f32	target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	-0.000988769578	-0.000988770043 ± 0.0000390625	✓
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	234.052002	234.052002 ± 0.0000390625	✓
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	1768837428	1768837428 ± 1	✓

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Name	Actual Value	Expected Value	Result
EOTActuatorMng_FiltHwTrqSV_HwNm_M_s7p24	-68784743	-68784743 ± 1	✓
EOTActuatorMng_OutputRampMultLtd_M_f32	0.270000011	0.270000011 ± 0.00390625	✓
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.823669434	0.823669434 ± 0.0625	✓
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED	SES_DISABLED	✓
target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value	-0.000988769578	-0.000988770043 ± 0.00048828125	✓
target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value	0.823669434	0.823669434 ± 0.0000390625	✓
target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value	8.80000019	8.80000019 ± 0.00048828125	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	✓
EOTDetermination	1	EOTDetermination	1	✓
SES_DetLmtPos	1	SES_DetLmtPos	1	✓
SES_CalcExitGain	1	SES_CalcExitGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_CalcEnterGain	1	SES_CalcEnterGain	1	✓
BilinearXMYM_u16_u16XM_u16YM_Cnt	1	BilinearXMYM_u16_u16XM_u16YM_Cnt	1	✓
SES_CalcEOTGain	1	SES_CalcEOTGain	1	✓
SES_FiltEOTGain	1	SES_FiltEOTGain	1	✓
SES_CalcEOTDamp	1	SES_CalcEOTDamp	1	✓
BilinearXMYM_u16_u16XM_u16YM_Cnt	1	BilinearXMYM_u16_u16XM_u16YM_Cnt	1	✓
SES_StateCtrl	1	SES_StateCtrl	1	✓
Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	✓

Test Step 2.58 (Repeat Count = 1)	
Name	Input Value
EOTActuatorMng_Damping_MtrNm_M_f32	-8.80000019
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	1000.40997
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	1567663063
EOTActuatorMng_FiltHwTrqSV_HwNm_M_s7p24	-55868129
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.529999971
EOTActuatorMng_SESState_Uls_M_enum	SES_ENTERING
Rte_Inst_Ap_EOTActuatorMng	target_Rte_Inst_Ap_EOTActuatorMng
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.200000003
k_EOTDefltPosition_HwDeg_u12p4	12800
k_EOTDeltaTrqThrsh_HwNm_u9p7	384
k_EOTDynConf_Uls_u8p8	0
k_EOTEnterLPFKn_Cnt_u16	486
k_EOTExitLPFKn_Cnt_u16	777
k_EOTImpSpdEn_Kph_u9p7	6144
k_EOTOriginalImpactandSoftEnd_Cnt_lgc	1
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32	590.440002
k_EOTStateHwTrqLPFKn_Cnt_u16	5555
k_MaxRackTrvl_HwDeg_u12p4	12432
k_MinRackTrvl_HwDeg_u12p4	18672
k_PosRampStep_HwDeg_u12p4	5536
k_SoftStopEOTEnable_Cnt_lgc	1
k_SpdPltScale_MtrNmpRadpS_u4p12	82
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	800
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	960
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	1152
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	1296
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	576
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	1712
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	1728
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	1744
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1216
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	3632
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	3648
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	3664
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	1856
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	5552
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	5568
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	5584
t2_EOTEnterGainY_Uls_u1p15[0][0]	6
t2_EOTEnterGainY_Uls_u1p15[0][1]	7
t2_EOTEnterGainY_Uls_u1p15[0][2]	59
t2_EOTEnterGainY_Uls_u1p15[0][3]	573
t2_EOTEnterGainY_Uls_u1p15[1][0]	7
t2_EOTEnterGainY_Uls_u1p15[1][1]	8

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Name	Input Value
t2_EOTEnterGainY_Uls_u1p15[1][2]	88
t2_EOTEnterGainY_Uls_u1p15[1][3]	859
t2_EOTEnterGainY_Uls_u1p15[2][0]	763
t2_EOTEnterGainY_Uls_u1p15[2][1]	78
t2_EOTEnterGainY_Uls_u1p15[2][2]	7
t2_EOTEnterGainY_Uls_u1p15[2][3]	7
t2_EOTEnterGainY_Uls_u1p15[3][0]	1334
t2_EOTEnterGainY_Uls_u1p15[3][1]	137
t2_EOTEnterGainY_Uls_u1p15[3][2]	9
t2_EOTEnterGainY_Uls_u1p15[3][3]	9
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	92
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	130
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	168
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	237
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	168
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	237
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	122
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	173
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	640
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	1216
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	736
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1120
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	832
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	4112
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	496
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	640
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	130
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	920
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	323
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	228
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	153
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	216
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	76
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	108
t_EOTDmpVspd_Kph_u9p7[0]	4608
t_EOTDmpVspd_Kph_u9p7[1]	13696
t_EOTDmpVspd_Kph_u9p7[2]	13824
t_EOTDmpVspd_Kph_u9p7[3]	13952
t_EOTEnterGainVspd_Kph_u9p7[0]	4608
t_EOTEnterGainVspd_Kph_u9p7[1]	13696
t_EOTEnterGainVspd_Kph_u9p7[2]	13824
t_EOTEnterGainVspd_Kph_u9p7[3]	13952
t_SpdIptTblXTbl_HwDeg_u12p4[0]	128
t_SpdIptTblXTbl_HwDeg_u12p4[1]	320
t_SpdIptTblYTbl_MtrRadps_u12p4[0]	496
t_SpdIptTblYTbl_MtrRadps_u12p4[1]	640
t_TrqTableX_HwNm_u8p8[0]	256
t_TrqTableX_HwNm_u8p8[1]	768
t_TrqTblY_Uls_u2p14[0]	33
t_TrqTblY_Uls_u2p14[1]	115
target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value	-465.279999
target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value	1
target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value	1440.10999
target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value	1
target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value	0
target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value	0.839999974
target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value	500.25
target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value	-1.20000005
target_EOTActuatorMng_Per1_MotorVel_MtrRadps_f32.value	0.699999988
target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value	0.617999971
target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value	18.0699997
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDamping	target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls	target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit_MtrNm	target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CwFound_Cnt_lgc
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_lgc	target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Uls	target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32	target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm_f32	target_EOTActuatorMng_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadps_f32	target_EOTActuatorMng_Per1_MotorVel_MtrRadps_f32

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Name	Input Value		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_OutputRampMultLtd	target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph	target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	-7.61912012	-7.61912012 ± 0.0000390625	✓
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	800	800 ± 0.0000390625	✓
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	1556316421	1556316421 ± 1	✓
EOTActuatorMng_FiltHWTTrqSV_HwNm_M_s7p24	-52835099	-52835099 ± 1	✓
EOTActuatorMng_OutputRampMultLtd_M_f32	0.617999971	0.617999971 ± 0.00390625	✓
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.724700928	0.724700928 ± 0.0625	✓
EOTActuatorMng_SESSState_Uls_M_enum	SES_NORMAL	SES_NORMAL	✓
target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value	-7.61912012	-7.61912012 ± 0.00048828125	✓
target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value	0.724700928	0.724700928 ± 0.0000390625	✓
target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value	0.606591761	0.606591821 ± 0.00048828125	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	✓
EOTDetermination	1	EOTDetermination	1	✓
EOTOrigImpact	1	EOTOrigImpact	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_DetLmtPos	1	SES_DetLmtPos	1	✓
SES_CalcExitGain	1	SES_CalcExitGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_CalcEnterGain	1	SES_CalcEnterGain	1	✓
BilinearXMYM_u16_u16XM_u16YM_Cnt	1	BilinearXMYM_u16_u16XM_u16YM_Cnt	1	✓
SES_CalcEOTGain	1	SES_CalcEOTGain	1	✓
SES_FiltEOTGain	1	SES_FiltEOTGain	1	✓
SES_CalcEOTDamp	1	SES_CalcEOTDamp	1	✓
BilinearXMYM_u16_u16XM_u16YM_Cnt	1	BilinearXMYM_u16_u16XM_u16YM_Cnt	1	✓
SES_StateCtrl	1	SES_StateCtrl	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	2	IntplVarXY_u16_u16Xu16Y_Cnt	2	✓
Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	✓

Test Step 2.59 (Repeat Count = 1)	
Name	Input Value
EOTActuatorMng_Damping_MtrNm_M_f32	2.4000001
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	999.140015
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	1352914698
EOTActuatorMng_FiltHWTqSV_HwNm_M_s7p24	37245420
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.639999986
EOTActuatorMng_SESSState_Uls_M_enum	SES_NORMAL
Rte_Inst_Ap_EOTActuatorMng	target_Rte_Inst_Ap_EOTActuatorMng
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.372000009
k_EOTDefltPosition_HwDeg_u12p4	1776
k_EOTDeltaTrqThrsh_HwNm_u9p7	256
k_EOTDynConf_Uls_u8p8	20480
k_EOTEnterLPFKn_Cnt_u16	400
k_EOTExitLPFKn_Cnt_u16	888
k_EOTImpSpdEn_Kph_u9p7	6272
k_EOTOriginalImpactandSoftEnd_Cnt_lgc	0
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32	0
k_EOTStateHwTrqLPFKn_Cnt_u16	4444
k_MaxRackTrvl_HwDeg_u12p4	14208
k_MinRackTrvl_HwDeg_u12p4	6160
k_PosRampStep_HwDeg_u12p4	7456
k_SoftStopEOTEnable_Cnt_lgc	1
k_SpdLptScale_MtrNmpRadps_u4p12	83
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	1440
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	1632
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	1776
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	2400
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	592
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	1760
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	1776
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	1792
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1232
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	3680
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	3696
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	3712
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	1872



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Name	Input Value
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	5600
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	5616
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	5632
t2_EOTEnterGainY_Uls_u1p15[0][0]	6
t2_EOTEnterGainY_Uls_u1p15[0][1]	69
t2_EOTEnterGainY_Uls_u1p15[0][2]	7
t2_EOTEnterGainY_Uls_u1p15[0][3]	668
t2_EOTEnterGainY_Uls_u1p15[1][0]	7
t2_EOTEnterGainY_Uls_u1p15[1][1]	8
t2_EOTEnterGainY_Uls_u1p15[1][2]	98
t2_EOTEnterGainY_Uls_u1p15[1][3]	954
t2_EOTEnterGainY_Uls_u1p15[2][0]	859
t2_EOTEnterGainY_Uls_u1p15[2][1]	88
t2_EOTEnterGainY_Uls_u1p15[2][2]	7
t2_EOTEnterGainY_Uls_u1p15[2][3]	8
t2_EOTEnterGainY_Uls_u1p15[3][0]	1429
t2_EOTEnterGainY_Uls_u1p15[3][1]	147
t2_EOTEnterGainY_Uls_u1p15[3][2]	9
t2_EOTEnterGainY_Uls_u1p15[3][3]	10
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	107
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	151
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	183
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	259
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	183
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	259
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	137
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	194
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	672
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	1232
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	752
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1136
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	864
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	4128
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	512
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	656
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]	151
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]	939
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]	345
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]	243
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]	168
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]	237
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]	77
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]	110
t_EOTDmpVspd_Kph_u9p7[0]	4736
t_EOTDmpVspd_Kph_u9p7[1]	14080
t_EOTDmpVspd_Kph_u9p7[2]	14208
t_EOTDmpVspd_Kph_u9p7[3]	14336
t_EOTEnterGainVspd_Kph_u9p7[0]	4736
t_EOTEnterGainVspd_Kph_u9p7[1]	14080
t_EOTEnterGainVspd_Kph_u9p7[2]	14208
t_EOTEnterGainVspd_Kph_u9p7[3]	14336
t_SpdIptTblXTbl_HwDeg_u12p4[0]	112
t_SpdIptTblXTbl_HwDeg_u12p4[1]	336
t_SpdIptTblYTbl_MtrRadpS_u12p4[0]	512
t_SpdIptTblYTbl_MtrRadpS_u12p4[1]	656
t_TrqTableX_HwNm_u8p8[0]	0
t_TrqTableX_HwNm_u8p8[1]	512
t_TrqTblY_Uls_u2p14[0]	49
t_TrqTblY_Uls_u2p14[1]	131
target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value	-444.160004
target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value	0
target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value	1000
target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value	1
target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value	1
target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value	0.879999995
target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value	-400.350006
target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value	2.29999995
target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value	-0.800000012
target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value	0.541000009
target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value	19.0499992
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32	target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls	target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit_MtrNm	target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32

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Name	Input Value		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_lgc	target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Uls	target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_Hwl	target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm_f	target_EOTActuatorMng_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadpS	target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_OutputRampMultLtd	target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph	target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	2.4000001	2.4000001 ± 0.0000390625	✔
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	999.140015	999.140015 ± 0.0000390625	✔
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	1344659898	1344659898 ± 1	✔
EOTActuatorMng_FiltHwTrqSV_HwNm_M_s7p24	32108156	32108156 ± 1	✔
EOTActuatorMng_OutputRampMultLtd_M_f32	0.541000009	0.541000009 ± 0.00390625	✔
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.62612915	0.62612915 ± 0.0625	✔
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED	SES_DISABLED	✔
target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value	2.4000001	2.4000001 ± 0.00048828125	✔
target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value	0.62612915	0.62612915 ± 0.0000390625	✔
target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value	8.80000019	8.80000019 ± 0.00048828125	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	✓
EOTDetermination	1	EOTDetermination	1	✓
SES_DetLmtPos	1	SES_DetLmtPos	1	✓
SES_CalcExitGain	1	SES_CalcExitGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_CalcEnterGain	1	SES_CalcEnterGain	1	✓
BilinearXMYM_u16_u16XM_u16YM_Cnt	1	BilinearXMYM_u16_u16XM_u16YM_Cnt	1	✓
SES_CalcEOTGain	1	SES_CalcEOTGain	1	✓
SES_FiltEOTGain	1	SES_FiltEOTGain	1	✓
SES_CalcEOTDamp	1	SES_CalcEOTDamp	1	✓
BilinearXMYM_u16_u16XM_u16YM_Cnt	1	BilinearXMYM_u16_u16XM_u16YM_Cnt	1	✓
SES_StateCtrl	1	SES_StateCtrl	1	✓
Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	✓

Test Step 2.60 (Repeat Count = 1)	
Name	Input Value
EOTActuatorMng_Damping_MtrNm_M_f32	2.79999995
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	666.97998
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	493921239
EOTActuatorMng_FiltHwTrqSV_HwNm_M_s7p24	159383552
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.75
EOTActuatorMng_SESState_Uls_M_enum	SES_ENTERING
Rte_Inst_Ap_EOTActuatorMng	target_Rte_Inst_Ap_EOTActuatorMng
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.465000004
k_EOTDefltPosition_HwDeg_u12p4	3552
k_EOTDeltaTrqThresh_HwNm_u9p7	128
k_EOTDynConf_Uls_u8p8	23040
k_EOTEnterLPFkn_Cnt_u16	300
k_EOTExitLPFkn_Cnt_u16	1234
k_EOTImpSpdEn_Kph_u9p7	6400
k_EOTOriginalImpactandSoftEnd_Cnt_lgc	1
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32	1200
k_EOTStateHwTrqLPFkn_Cnt_u16	3333
k_MaxRackTrvl_HwDeg_u12p4	15984
k_MinRackTrvl_HwDeg_u12p4	13680
k_PosRampStep_HwDeg_u12p4	10976
k_SoftStopEOTEnable_Cnt_lgc	0
k_SpdLptScale_MtrNmpRadpS_u4p12	83
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	0
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	64
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	160
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	368
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	608
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	1808
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	1824

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Name	Input Value
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	1840
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1248
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	3728
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	3744
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	3760
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	1888
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	5648
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	5664
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	5680
t2_EOTEnterGainY_Uls_u1p15[0][0]	7
t2_EOTEnterGainY_Uls_u1p15[0][1]	7
t2_EOTEnterGainY_Uls_u1p15[0][2]	78
t2_EOTEnterGainY_Uls_u1p15[0][3]	763
t2_EOTEnterGainY_Uls_u1p15[1][0]	8
t2_EOTEnterGainY_Uls_u1p15[1][1]	8
t2_EOTEnterGainY_Uls_u1p15[1][2]	108
t2_EOTEnterGainY_Uls_u1p15[1][3]	1049
t2_EOTEnterGainY_Uls_u1p15[2][0]	954
t2_EOTEnterGainY_Uls_u1p15[2][1]	98
t2_EOTEnterGainY_Uls_u1p15[2][2]	7
t2_EOTEnterGainY_Uls_u1p15[2][3]	8
t2_EOTEnterGainY_Uls_u1p15[3][0]	1524
t2_EOTEnterGainY_Uls_u1p15[3][1]	157
t2_EOTEnterGainY_Uls_u1p15[3][2]	9
t2_EOTEnterGainY_Uls_u1p15[3][3]	10
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	122
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	173
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	198
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	280
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	198
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	280
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	153
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	216
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	704
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	1248
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	768
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1152
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	896
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	4144
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	528
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	672
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]	173
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]	958
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]	366
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]	259
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]	183
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]	259
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]	112
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]	788
t_EOTDmpVspd_Kph_u9p7[0]	4864
t_EOTDmpVspd_Kph_u9p7[1]	14464
t_EOTDmpVspd_Kph_u9p7[2]	14592
t_EOTDmpVspd_Kph_u9p7[3]	14720
t_EOTEnterGainVspd_Kph_u9p7[0]	4864
t_EOTEnterGainVspd_Kph_u9p7[1]	14464
t_EOTEnterGainVspd_Kph_u9p7[2]	14592
t_EOTEnterGainVspd_Kph_u9p7[3]	14720
t_SpdlptTblXTbl_HwDeg_u12p4[0]	96
t_SpdlptTblXTbl_HwDeg_u12p4[1]	352
t_SpdlptTblYTbl_MtrRadpS_u12p4[0]	528
t_SpdlptTblYTbl_MtrRadpS_u12p4[1]	672
t_TrqTableX_HwNm_u8p8[0]	256
t_TrqTableX_HwNm_u8p8[1]	1792
t_TrqTblY_Uls_u2p14[0]	66
t_TrqTblY_Uls_u2p14[1]	147
target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value	-1440.10999
target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value	0
target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value	100.054001
target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value	1
target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value	0
target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value	0.550000012
target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value	-400.450012
target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value	-3.4000001

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Name	Input Value
target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value	0.109999999
target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value	0.437000006
target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value	1.11000001
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32	target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls_f32	target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32	target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CwFound_Cnt_lgc
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_lgc	target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Uls_f32	target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32	target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm_f32	target_EOTActuatorMng_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32	target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32	target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph_f32	target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32

Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	0.399999857	0.400000006 ± 0.0000390625	✓
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	222	222 ± 0.0000390625	✓
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	491889339	491889339 ± 1	✓
EOTActuatorMng_FiltHwTrqSV_HwNm_M_s7p24	154177406	154177406 ± 1	✓
EOTActuatorMng_OutputRampMultLtd_M_f32	0.437000006	0.437000006 ± 0.00390625	✓
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.229034424	0.229034424 ± 0.0625	✓
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED	SES_DISABLED	✓
target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value	0.399999857	0.400000006 ± 0.00048828125	✓
target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value	0.229034424	0.229034424 ± 0.0000390625	✓
target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value	0.666472137	0.666472197 ± 0.00048828125	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	✓
EOTDetermination	1	EOTDetermination	1	✓
EOTOrigImpact	1	EOTOrigImpact	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_DetLmtPos	1	SES_DetLmtPos	1	✓
SES_CalcExitGain	1	SES_CalcExitGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_CalcEnterGain	1	SES_CalcEnterGain	1	✓
BilinearXMYM_u16_u16XMu16YM_Cnt	1	BilinearXMYM_u16_u16XMu16YM_Cnt	1	✓
SES_CalcEOTGain	1	SES_CalcEOTGain	1	✓
SES_FiltEOTGain	1	SES_FiltEOTGain	1	✓
SES_CalcEOTDamp	1	SES_CalcEOTDamp	1	✓
BilinearXMYM_u16_u16XMu16YM_Cnt	1	BilinearXMYM_u16_u16XMu16YM_Cnt	1	✓
SES_StateCtrl	1	SES_StateCtrl	1	✓
Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	✓

## Test Step 2.61 (Repeat Count = 1)

Name	Input Value
EOTActuatorMng_Damping_MtrNm_M_f32	4.59999999
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	555.469971
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	279172874
EOTActuatorMng_FiltHwTrqSV_HwNm_M_s7p24	-142606336
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.860000014
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL
Rte_Inst_Ap_EOTActuatorMng	target_Rte_Inst_Ap_EOTActuatorMng
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.99000001
k_EOTDefltPosition_HwDeg_u12p4	5328
k_EOTDeltaTrqThrsh_HwNm_u9p7	1152
k_EOTDynConf_Uls_u8p8	25600
k_EOTEnterLPFKn_Cnt_u16	200
k_EOTExitLPFKn_Cnt_u16	2345
k_EOTImpSpdEn_Kph_u9p7	6528
k_EOTOriginalImpactandSoftEnd_Cnt_lgc	0
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32	400
k_EOTStateHwTrqLPFKn_Cnt_u16	2222
k_MaxRackTrvl_HwDeg_u12p4	16000
k_MinRackTrvl_HwDeg_u12p4	6192
k_PosRampStep_HwDeg_u12p4	2624
k_SoftStopEOTEnable_Cnt_lgc	1

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EOTActuatorMng\_Per1

Name	Input Value
k_SpdIptScale_MtrNmpRadps_u4p12	84
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	160
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	352
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	480
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	720
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	624
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	1856
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	1872
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	1888
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1264
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	3776
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	3792
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	3808
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	1904
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	5696
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	5712
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	5728
t2_EOTEnterGainY_Uls_u1p15[0][0]	7
t2_EOTEnterGainY_Uls_u1p15[0][1]	8
t2_EOTEnterGainY_Uls_u1p15[0][2]	88
t2_EOTEnterGainY_Uls_u1p15[0][3]	859
t2_EOTEnterGainY_Uls_u1p15[1][0]	8
t2_EOTEnterGainY_Uls_u1p15[1][1]	9
t2_EOTEnterGainY_Uls_u1p15[1][2]	118
t2_EOTEnterGainY_Uls_u1p15[1][3]	1144
t2_EOTEnterGainY_Uls_u1p15[2][0]	1049
t2_EOTEnterGainY_Uls_u1p15[2][1]	108
t2_EOTEnterGainY_Uls_u1p15[2][2]	8
t2_EOTEnterGainY_Uls_u1p15[2][3]	8
t2_EOTEnterGainY_Uls_u1p15[3][0]	1619
t2_EOTEnterGainY_Uls_u1p15[3][1]	167
t2_EOTEnterGainY_Uls_u1p15[3][2]	10
t2_EOTEnterGainY_Uls_u1p15[3][3]	10
t2_EOTExPosDepDmpTbly_MtrNmpRadps_u0p16[0][0]	137
t2_EOTExPosDepDmpTbly_MtrNmpRadps_u0p16[0][1]	194
t2_EOTExPosDepDmpTbly_MtrNmpRadps_u0p16[1][0]	213
t2_EOTExPosDepDmpTbly_MtrNmpRadps_u0p16[1][1]	302
t2_EOTExPosDepDmpTbly_MtrNmpRadps_u0p16[2][0]	213
t2_EOTExPosDepDmpTbly_MtrNmpRadps_u0p16[2][1]	302
t2_EOTExPosDepDmpTbly_MtrNmpRadps_u0p16[3][0]	168
t2_EOTExPosDepDmpTbly_MtrNmpRadps_u0p16[3][1]	237
t2_EOTPosDepDmpTbly_HwDeg_u12p4[0][0]	736
t2_EOTPosDepDmpTbly_HwDeg_u12p4[0][1]	1264
t2_EOTPosDepDmpTbly_HwDeg_u12p4[1][0]	784
t2_EOTPosDepDmpTbly_HwDeg_u12p4[1][1]	1168
t2_EOTPosDepDmpTbly_HwDeg_u12p4[2][0]	928
t2_EOTPosDepDmpTbly_HwDeg_u12p4[2][1]	4160
t2_EOTPosDepDmpTbly_HwDeg_u12p4[3][0]	544
t2_EOTPosDepDmpTbly_HwDeg_u12p4[3][1]	688
t2_EOTPosDepDmpTbly_MtrNmpRadps_u0p16[0][0]	194
t2_EOTPosDepDmpTbly_MtrNmpRadps_u0p16[0][1]	715
t2_EOTPosDepDmpTbly_MtrNmpRadps_u0p16[1][0]	388
t2_EOTPosDepDmpTbly_MtrNmpRadps_u0p16[1][1]	274
t2_EOTPosDepDmpTbly_MtrNmpRadps_u0p16[2][0]	198
t2_EOTPosDepDmpTbly_MtrNmpRadps_u0p16[2][1]	280
t2_EOTPosDepDmpTbly_MtrNmpRadps_u0p16[3][0]	114
t2_EOTPosDepDmpTbly_MtrNmpRadps_u0p16[3][1]	804
t_EOTDmpVspd_Kph_u9p7[0]	4992
t_EOTDmpVspd_Kph_u9p7[1]	14848
t_EOTDmpVspd_Kph_u9p7[2]	14976
t_EOTDmpVspd_Kph_u9p7[3]	15104
t_EOTEnterGainVspd_Kph_u9p7[0]	4992
t_EOTEnterGainVspd_Kph_u9p7[1]	14848
t_EOTEnterGainVspd_Kph_u9p7[2]	14976
t_EOTEnterGainVspd_Kph_u9p7[3]	15104
t_SpdIptTblyXTbly_HwDeg_u12p4[0]	80
t_SpdIptTblyXTbly_HwDeg_u12p4[1]	368
t_SpdIptTblyYTbly_MtrRadps_u12p4[0]	544
t_SpdIptTblyYTbly_MtrRadps_u12p4[1]	688
t_TrqTableX_HwNm_u8p8[0]	768
t_TrqTableX_HwNm_u8p8[1]	1536
t_TrqTbly_Uls_u2p14[0]	82
t_TrqTbly_Uls_u2p14[1]	164

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EOTActuatorMng\_Per1

Name	Input Value		
target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value	0		
target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value	0		
target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value	444.040985		
target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value	0		
target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value	1		
target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value	0.439999998		
target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value	-300.26001		
target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value	4.5		
target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value	0.129999995		
target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value	0.00400000019		
target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value	2.11999989		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32	target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls_f32	target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32	target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_lgc	target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Uls_f32	target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32	target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm_f32	target_EOTActuatorMng_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32	target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32	target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph_f32	target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	3.79999995	3.79999995 ± 0.0000390625	✔
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	555.469971	555.469971 ± 0.0000390625	✔
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	278492874	278492874 ± 1	✔
EOTActuatorMng_FiltHWTqSV_HwNm_M_s7p24	-140331008	-140331008 ± 1	✔
EOTActuatorMng_OutputRampMultLtd_M_f32	0.00400000019	0.00400000019 ± 0.00390625	✔
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.129669189	0.129669189 ± 0.0625	✔
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED	SES_DISABLED	✔
target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value	3.79999995	3.79999995 ± 0.00048828125	✔
target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value	0.129669189	0.129669189 ± 0.0000390625	✔
target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value	8.80000019	8.80000019 ± 0.00048828125	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	✓
EOTDetermination	1	EOTDetermination	1	✓
SES_DetLmtPos	1	SES_DetLmtPos	1	✓
SES_CalcExitGain	1	SES_CalcExitGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_CalcEnterGain	1	SES_CalcEnterGain	1	✓
BilinearXMYM_u16_u16XM_u16YM_Cnt	1	BilinearXMYM_u16_u16XM_u16YM_Cnt	1	✓
SES_CalcEOTGain	1	SES_CalcEOTGain	1	✓
SES_FiltEOTGain	1	SES_FiltEOTGain	1	✓
SES_CalcEOTDamp	1	SES_CalcEOTDamp	1	✓
BilinearXMYM_u16_u16XM_u16YM_Cnt	1	BilinearXMYM_u16_u16XM_u16YM_Cnt	1	✓
SES_StateCtrl	1	SES_StateCtrl	1	✓
Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	✓

Test Step 2.62 (Repeat Count = 1)	
Name	Input Value
EOTActuatorMng_Damping_MtrNm_M_f32	4.5999999
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	555.469971
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	279172874
EOTActuatorMng_FiltHWTqSV_HwNm_M_s7p24	-142606336
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.860000014
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL
Rte_Inst_Ap_EOTActuatorMng	target_Rte_Inst_Ap_EOTActuatorMng
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.99000001
k_EOTDefltPosition_HwDeg_u12p4	5328
k_EOTDeltaTrqThrsh_HwNm_u9p7	1152
k_EOTDynConf_Uls_u8p8	25600
k_EOTEnterLPFKn_Cnt_u16	200
k_EOTExitLPFKn_Cnt_u16	2345
k_EOTImpSpdEn_Kph_u9p7	6528
k_EOTOriginalImpactandSoftEnd_Cnt_lgc	0

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EOTActuatorMng\_Per1

Name	Input Value
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32	400
k_EOTStateHwTrqLPFKn_Cnt_u16	2222
k_MaxRackTrvl_HwDeg_u12p4	16000
k_MinRackTrvl_HwDeg_u12p4	6192
k_PosRampStep_HwDeg_u12p4	2624
k_SoftStopEOTEnable_Cnt_lgc	1
k_SpdIptScale_MtrNmpRadps_u4p12	84
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	160
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	352
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	480
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	720
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	624
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	1856
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	1872
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	1888
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1264
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	3776
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	3792
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	3808
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	1904
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	5696
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	5712
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	5728
t2_EOTEnterGainY_Uls_u1p15[0][0]	7
t2_EOTEnterGainY_Uls_u1p15[0][1]	8
t2_EOTEnterGainY_Uls_u1p15[0][2]	88
t2_EOTEnterGainY_Uls_u1p15[0][3]	859
t2_EOTEnterGainY_Uls_u1p15[1][0]	8
t2_EOTEnterGainY_Uls_u1p15[1][1]	9
t2_EOTEnterGainY_Uls_u1p15[1][2]	118
t2_EOTEnterGainY_Uls_u1p15[1][3]	1144
t2_EOTEnterGainY_Uls_u1p15[2][0]	1049
t2_EOTEnterGainY_Uls_u1p15[2][1]	108
t2_EOTEnterGainY_Uls_u1p15[2][2]	8
t2_EOTEnterGainY_Uls_u1p15[2][3]	8
t2_EOTEnterGainY_Uls_u1p15[3][0]	1619
t2_EOTEnterGainY_Uls_u1p15[3][1]	167
t2_EOTEnterGainY_Uls_u1p15[3][2]	10
t2_EOTEnterGainY_Uls_u1p15[3][3]	10
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	137
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	194
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	213
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	302
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	213
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	302
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	168
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	237
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	736
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	1264
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	784
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1168
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	928
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	4160
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	544
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	688
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	194
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	715
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	388
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	274
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	198
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	280
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	114
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	804
t_EOTDmpVspd_Kph_u9p7[0]	4992
t_EOTDmpVspd_Kph_u9p7[1]	14848
t_EOTDmpVspd_Kph_u9p7[2]	14976
t_EOTDmpVspd_Kph_u9p7[3]	15104
t_EOTEnterGainVspd_Kph_u9p7[0]	4992
t_EOTEnterGainVspd_Kph_u9p7[1]	14848
t_EOTEnterGainVspd_Kph_u9p7[2]	14976
t_EOTEnterGainVspd_Kph_u9p7[3]	15104
t_SpdIptTblXTbl_HwDeg_u12p4[0]	80
t_SpdIptTblXTbl_HwDeg_u12p4[1]	368



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Name	Input Value		
t_SpdIptTblyTbly_MtrRadpS_u12p4[0]	544		
t_SpdIptTblyTbly_MtrRadpS_u12p4[1]	688		
t_TrqTableX_HwNm_u8p8[0]	768		
t_TrqTableX_HwNm_u8p8[1]	1536		
t_TrqTbly_Uls_u2p14[0]	82		
t_TrqTbly_Uls_u2p14[1]	164		
target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value	0		
target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value	0		
target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value	444.040985		
target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value	0		
target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value	1		
target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value	0.439999998		
target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value	-300.26001		
target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value	4.5		
target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value	0.129999995		
target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value	0.00400000019		
target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value	2.11999989		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDamping	target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls	target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit_MtrNm	target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_lgc	target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Uls	target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32	target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm_f32	target_EOTActuatorMng_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32	target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32	target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph_f32	target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	3.79999995	3.79999804 ± 0.0000390625	✔
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	555.469971	555.469971 ± 0.0000390625	✔
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	278492874	278492874 ± 1	✔
EOTActuatorMng_FiltHWTqSV_HwNm_M_s7p24	-140331008	-140331008 ± 1	✔
EOTActuatorMng_OutputRampMultLtd_M_f32	0.00400000019	0.00400000019 ± 0.00390625	✔
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.129669189	0.129669189 ± 0.0625	✔
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED	SES_DISABLED	✔
target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value	3.79999995	3.79999804 ± 0.00048828125	✔
target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value	0.129669189	0.129669189 ± 0.0000390625	✔
target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value	8.80000019	8.80000019 ± 0.00048828125	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	✓
EOTDetermination	1	EOTDetermination	1	✓
SES_DetLmtPos	1	SES_DetLmtPos	1	✓
SES_CalcExitGain	1	SES_CalcExitGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_CalcEnterGain	1	SES_CalcEnterGain	1	✓
BilinearXYMY_u16_u16XM_u16YM_Cnt	1	BilinearXYMY_u16_u16XM_u16YM_Cnt	1	✓
SES_CalcEOTGain	1	SES_CalcEOTGain	1	✓
SES_FiltEOTGain	1	SES_FiltEOTGain	1	✓
SES_CalcEOTDamp	1	SES_CalcEOTDamp	1	✓
BilinearXYMY_u16_u16XM_u16YM_Cnt	1	BilinearXYMY_u16_u16XM_u16YM_Cnt	1	✓
SES_StateCtrl	1	SES_StateCtrl	1	✓
Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	✓

Test Step 2.63 (Repeat Count = 1)	
Name	Input Value
EOTActuatorMng_Damping_MtrNm_M_f32	0
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	567.25
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	579820585
EOTActuatorMng_FiltHWTqSV_HwNm_M_s7p24	130358968
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.430000007
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL
Rte_Inst_Ap_EOTActuatorMng	target_Rte_Inst_Ap_EOTActuatorMng
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.69599998
k_EOTDefltPosition_HwDeg_u12p4	6400

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Name	Input Value
k_EOTDeltaTrqThrsh_HwNm_u9p7	896
k_EOTDynConf_Uls_u8p8	7680
k_EOTEnterLPFKn_Cnt_u16	854
k_EOTExitLPFKn_Cnt_u16	333
k_EOTImpSpdEn_Kph_u9p7	5632
k_EOTOriginalImpactandSoftEnd_Cnt_lgc	1
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32	190.440002
k_EOTStateHwTrqLPFKn_Cnt_u16	9999
k_MaxRackTrvl_HwDeg_u12p4	5328
k_MinRackTrvl_HwDeg_u12p4	20400
k_PosRampStep_HwDeg_u12p4	5696
k_SoftStopEOTEnable_Cnt_lgc	0
k_SpdIptScale_MtrNmpRadpS_u4p12	81
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	800
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	960
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	1120
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	1280
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	512
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	1520
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	1536
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	1552
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1152
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	3440
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	3456
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	3472
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	1792
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	5360
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	5376
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	5392
t2_EOTEnterGainY_Uls_u1p15[0][0]	5
t2_EOTEnterGainY_Uls_u1p15[0][1]	5
t2_EOTEnterGainY_Uls_u1p15[0][2]	20
t2_EOTEnterGainY_Uls_u1p15[0][3]	193
t2_EOTEnterGainY_Uls_u1p15[1][0]	6
t2_EOTEnterGainY_Uls_u1p15[1][1]	6
t2_EOTEnterGainY_Uls_u1p15[1][2]	49
t2_EOTEnterGainY_Uls_u1p15[1][3]	478
t2_EOTEnterGainY_Uls_u1p15[2][0]	383
t2_EOTEnterGainY_Uls_u1p15[2][1]	39
t2_EOTEnterGainY_Uls_u1p15[2][2]	5
t2_EOTEnterGainY_Uls_u1p15[2][3]	6
t2_EOTEnterGainY_Uls_u1p15[3][0]	954
t2_EOTEnterGainY_Uls_u1p15[3][1]	98
t2_EOTEnterGainY_Uls_u1p15[3][2]	7
t2_EOTEnterGainY_Uls_u1p15[3][3]	8
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	32
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	44
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	16
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	22
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	4
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	26
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	62
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	87
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	512
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	1152
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	672
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1056
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	704
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	4048
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	432
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	576
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]	44
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]	315
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]	88
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]	12
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]	92
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]	130
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]	99
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]	698
t_EOTDmpVspd_Kph_u9p7[0]	4096
t_EOTDmpVspd_Kph_u9p7[1]	12160
t_EOTDmpVspd_Kph_u9p7[2]	12288
t_EOTDmpVspd_Kph_u9p7[3]	12416

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Name	Input Value		
t_EOTEnterGainVspd_Kph_u9p7[0]	4096		
t_EOTEnterGainVspd_Kph_u9p7[1]	12160		
t_EOTEnterGainVspd_Kph_u9p7[2]	12288		
t_EOTEnterGainVspd_Kph_u9p7[3]	12416		
t_SpdIptTblXTbl_HwDeg_u12p4[0]	32		
t_SpdIptTblXTbl_HwDeg_u12p4[1]	256		
t_SpdIptTblYTbl_MtrRadpS_u12p4[0]	432		
t_SpdIptTblYTbl_MtrRadpS_u12p4[1]	576		
t_TrqTableX_HwNm_u8p8[0]	512		
t_TrqTableX_HwNm_u8p8[1]	1792		
t_TrqTblY_Uls_u2p14[0]	49		
t_TrqTblY_Uls_u2p14[1]	492		
target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value	-775.780029		
target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value	1		
target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value	850.21698		
target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value	1		
target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value	0		
target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value	0.819999993		
target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value	700.049988		
target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value	0		
target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value	0.300000012		
target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value	0		
target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value	11.0299997		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32	target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls_f32	target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32	target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_lgc	target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Uls_f32	target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32	target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm_f32	target_EOTActuatorMng_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32	target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32	target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph_f32	target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	0.000201416027	0.000201415998 ± 0.0000390625	✔
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	400	400 ± 0.0000390625	✔
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	572430069	572430069 ± 1	✔
EOTActuatorMng_FiltHWTqSV_HwNm_M_s7p24	110470957	110470957 ± 1	✔
EOTActuatorMng_OutputRampMultLtd_M_f32	0	0 ± 0.00390625	✔
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.266540527	0.266540527 ± 0.0625	✔
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED	SES_DISABLED	✔
target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value	0.000201416027	0.000201415998 ± 0.00048828125	✔
target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value	0.266540527	0.266540527 ± 0.0000390625	✔
target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value	0.528002918	0.528002918 ± 0.00048828125	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	✓
EOTDetermination	1	EOTDetermination	1	✓
EOTOrigImpact	1	EOTOrigImpact	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_DetLmtPos	1	SES_DetLmtPos	1	✓
SES_CalcExitGain	1	SES_CalcExitGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_CalcEnterGain	1	SES_CalcEnterGain	1	✓
BilinearXMYM_u16_u16XMu16YM_Cnt	1	BilinearXMYM_u16_u16XMu16YM_Cnt	1	✓
SES_CalcEOTGain	1	SES_CalcEOTGain	1	✓
SES_FiltEOTGain	1	SES_FiltEOTGain	1	✓
SES_CalcEOTDamp	1	SES_CalcEOTDamp	1	✓
BilinearXMYM_u16_u16XMu16YM_Cnt	1	BilinearXMYM_u16_u16XMu16YM_Cnt	1	✓
SES_StateCtrl	1	SES_StateCtrl	1	✓
Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	✓

Test Step 2.64 (Repeat Count = 1)	
Name	Input Value
EOTActuatorMng_Damping_MtrNm_M_f32	8.10000038

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EOTActuatorMng\_Per1

Name	Input Value
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	456.540009
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	365072220
EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24	-111736259
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.319999993
EOTActuatorMng_SESState_Uls_M_enum	SES_ENTERING
Rte_Inst_Ap_EOTActuatorMng	target_Rte_Inst_Ap_EOTActuatorMng
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.61500001
k_EOTDefltPosition_HwDeg_u12p4	8000
k_EOTDeltaTrqThrsh_HwNm_u9p7	768
k_EOTDynConf_Uls_u8p8	10240
k_EOTEnterLPFKn_Cnt_u16	799
k_EOTExitLPFKn_Cnt_u16	444
k_EOTImpSpdEn_Kph_u9p7	5760
k_EOTOriginalImpactandSoftEnd_Cnt_lgc	0
k_EOTPosDepDmpFinalSlew_MtrNmpS_T_f32	290.440002
k_EOTStateHwTrqLPFKn_Cnt_u16	8888
k_MaxRackTrvl_HwDeg_u12p4	7104
k_MinRackTrvl_HwDeg_u12p4	15616
k_PosRampStep_HwDeg_u12p4	10816
k_SoftStopEOTEnable_Cnt_lgc	1
k_SpdIptScale_MtrNmpRadps_u4p12	81
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	1440
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	1600
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	1760
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	1920
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	528
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	1568
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	1584
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	1600
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1168
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	3488
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	3504
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	3520
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	1808
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	5408
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	5424
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	5440
t2_EOTEnterGainY_Uls_u1p15[0][0]	5
t2_EOTEnterGainY_Uls_u1p15[0][1]	6
t2_EOTEnterGainY_Uls_u1p15[0][2]	29
t2_EOTEnterGainY_Uls_u1p15[0][3]	288
t2_EOTEnterGainY_Uls_u1p15[1][0]	6
t2_EOTEnterGainY_Uls_u1p15[1][1]	7
t2_EOTEnterGainY_Uls_u1p15[1][2]	59
t2_EOTEnterGainY_Uls_u1p15[1][3]	573
t2_EOTEnterGainY_Uls_u1p15[2][0]	478
t2_EOTEnterGainY_Uls_u1p15[2][1]	49
t2_EOTEnterGainY_Uls_u1p15[2][2]	6
t2_EOTEnterGainY_Uls_u1p15[2][3]	6
t2_EOTEnterGainY_Uls_u1p15[3][0]	1049
t2_EOTEnterGainY_Uls_u1p15[3][1]	108
t2_EOTEnterGainY_Uls_u1p15[3][2]	8
t2_EOTEnterGainY_Uls_u1p15[3][3]	8
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	76
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	108
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	122
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	173
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	122
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	173
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	77
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	108
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	544
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	1168
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	688
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1072
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	784
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	4064
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	448
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	592
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	1
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	109
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	259
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	183

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EOTActuatorMng\_Per1

Name	Input Value		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]	102		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]	452		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]	4		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]	713		
t_EOTDmpVspd_Kph_u9p7[0]	4224		
t_EOTDmpVspd_Kph_u9p7[1]	12544		
t_EOTDmpVspd_Kph_u9p7[2]	12672		
t_EOTDmpVspd_Kph_u9p7[3]	12800		
t_EOTEnterGainVspd_Kph_u9p7[0]	4224		
t_EOTEnterGainVspd_Kph_u9p7[1]	12544		
t_EOTEnterGainVspd_Kph_u9p7[2]	12672		
t_EOTEnterGainVspd_Kph_u9p7[3]	12800		
t_SpdIptTblXTbl_HwDeg_u12p4[0]	16		
t_SpdIptTblXTbl_HwDeg_u12p4[1]	272		
t_SpdIptTblYTbl_MtrRadpS_u12p4[0]	448		
t_SpdIptTblYTbl_MtrRadpS_u12p4[1]	592		
t_TrqTableX_HwNm_u8p8[0]	512		
t_TrqTableX_HwNm_u8p8[1]	1536		
t_TrqTblY_Uls_u2p14[0]	66		
t_TrqTblY_Uls_u2p14[1]	655		
target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value	-666.450012		
target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value	0		
target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value	777.539978		
target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value	0		
target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value	1		
target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value	0.449999988		
target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value	-600.039978		
target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value	-5		
target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value	-0.400000006		
target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value	1		
target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value	15.04		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32	target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls_f32	target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32	target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_lgc	target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Uls_f32	target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32	target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm_f32	target_EOTActuatorMng_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32	target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32	target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph_f32	target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	7.51912022	7.51912022 ± 0.0000390625	✔
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	456.540009	456.540009 ± 0.0000390625	✔
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	360851902	360851902 ± 1	✔
EOTActuatorMng_FiltHWTqSV_HwNm_M_s7p24	-85205579	-85205579 ± 1	✔
EOTActuatorMng_OutputRampMultLtd_M_f32	1	1 ± 0.00390625	✔
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.168029785	0.168029785 ± 0.0625	✔
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED	SES_DISABLED	✔
target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value	7.51912022	7.51912022 ± 0.00048828125	✔
target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value	0.168029785	0.168029785 ± 0.0000390625	✔
target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value	8.80000019	8.80000019 ± 0.00048828125	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	✓
EOTDetermination	1	EOTDetermination	1	✓
SES_DetLmtPos	1	SES_DetLmtPos	1	✓
SES_CalcExitGain	1	SES_CalcExitGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_CalcEnterGain	1	SES_CalcEnterGain	1	✓
BilinearXYM_u16_u16XM_u16YM_Cnt	1	BilinearXYM_u16_u16XM_u16YM_Cnt	1	✓
SES_CalcEOTGain	1	SES_CalcEOTGain	1	✓
SES_FiltEOTGain	1	SES_FiltEOTGain	1	✓
SES_CalcEOTDamp	1	SES_CalcEOTDamp	1	✓
BilinearXYM_u16_u16XM_u16YM_Cnt	1	BilinearXYM_u16_u16XM_u16YM_Cnt	1	✓
SES_StateCtrl	1	SES_StateCtrl	1	✓
Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	✓

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Test Step 2.65 (Repeat Count = 1)	
Name	Input Value
EOTActuatorMng_Damping_MtrNm_M_f32	8.19999981
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	345.653992
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	1997159793
EOTActuatorMng_FiltHWTqSV_HwNm_M_s7p24	93113549
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.209999993
EOTActuatorMng_SESSState_Uls_M_enum	SES_NORMAL
Rte_Inst_Ap_EOTActuatorMng	target_Rte_Inst_Ap_EOTActuatorMng
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.200000003
k_EOTDefltPosition_HwDeg_u12p4	9600
k_EOTDeltaTrqThrsh_HwNm_u9p7	640
k_EOTDynConf_Uls_u8p8	12800
k_EOTEnterLPFKn_Cnt_u16	600
k_EOTExitLPFKn_Cnt_u16	555
k_EOTImpSpdEn_Kph_u9p7	5888
k_EOTOriginalImpactandSoftEnd_Cnt_lgc	1
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32	390.440002
k_EOTStateHwTrqLPFKn_Cnt_u16	7777
k_MaxRackTrvl_HwDeg_u12p4	8880
k_MinRackTrvl_HwDeg_u12p4	14336
k_PosRampStep_HwDeg_u12p4	4096
k_SoftStopEOTEnable_Cnt_lgc	0
k_SpdIptScale_MtrNmpRadps_u4p12	82
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	0
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	96
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	160
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	352
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	544
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	1616
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	1632
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	1648
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1184
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	3536
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	3552
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	3568
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	1824
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	5456
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	5472
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	5488
t2_EOTEnterGainY_Uls_u1p15[0][0]	5
t2_EOTEnterGainY_Uls_u1p15[0][1]	6
t2_EOTEnterGainY_Uls_u1p15[0][2]	39
t2_EOTEnterGainY_Uls_u1p15[0][3]	383
t2_EOTEnterGainY_Uls_u1p15[1][0]	6
t2_EOTEnterGainY_Uls_u1p15[1][1]	7
t2_EOTEnterGainY_Uls_u1p15[1][2]	69
t2_EOTEnterGainY_Uls_u1p15[1][3]	668
t2_EOTEnterGainY_Uls_u1p15[2][0]	573
t2_EOTEnterGainY_Uls_u1p15[2][1]	59
t2_EOTEnterGainY_Uls_u1p15[2][2]	6
t2_EOTEnterGainY_Uls_u1p15[2][3]	7
t2_EOTEnterGainY_Uls_u1p15[3][0]	1144
t2_EOTEnterGainY_Uls_u1p15[3][1]	118
t2_EOTEnterGainY_Uls_u1p15[3][2]	8
t2_EOTEnterGainY_Uls_u1p15[3][3]	9
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	62
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	87
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	137
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	194
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	137
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	194
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	92
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	130
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	576
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	1184
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	704
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1088
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	768
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	4080
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	464

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Name	Input Value		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	608		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]	87		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]	937		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]	280		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]	198		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]	122		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]	173		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]	103		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]	728		
t_EOTDmpVspd_Kph_u9p7[0]	4352		
t_EOTDmpVspd_Kph_u9p7[1]	12928		
t_EOTDmpVspd_Kph_u9p7[2]	13056		
t_EOTDmpVspd_Kph_u9p7[3]	13184		
t_EOTEnterGainVspd_Kph_u9p7[0]	4352		
t_EOTEnterGainVspd_Kph_u9p7[1]	12928		
t_EOTEnterGainVspd_Kph_u9p7[2]	13056		
t_EOTEnterGainVspd_Kph_u9p7[3]	13184		
t_SpdIptTblXTbl_HwDeg_u12p4[0]	0		
t_SpdIptTblXTbl_HwDeg_u12p4[1]	288		
t_SpdIptTblYTbl_MtrRadpS_u12p4[0]	464		
t_SpdIptTblYTbl_MtrRadpS_u12p4[1]	608		
t_TrqTableX_HwNm_u8p8[0]	768		
t_TrqTableX_HwNm_u8p8[1]	1280		
t_TrqTblY_Uls_u2p14[0]	82		
t_TrqTblY_Uls_u2p14[1]	819		
target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value	-665.140015		
target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value	1		
target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value	750.14502		
target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value	1		
target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value	0		
target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value	0.829999983		
target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value	600.070007		
target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value	5		
target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value	0.5		
target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value	0.541000009		
target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value	16.0499992		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDamping	target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls	target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit_MtrI	target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f3	target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_lgc	target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Uls	target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_HwI	target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm_f	target_EOTActuatorMng_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadpS	target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_OutputRampMultLtd	target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph	target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	7.41911983	7.41911983 ± 0.0000390625	✔
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	600	600 ± 0.0000390625	✔
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	1979105193	1979105193 ± 1	✔
EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24	92024769	92024769 ± 1	✔
EOTActuatorMng_OutputRampMultLtd_M_f32	0.541000009	0.541000009 ± 0.00390625	✔
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.921569824	0.921569824 ± 0.0625	✔
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED	SES_DISABLED	✔
target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value	7.41911983	7.41911983 ± 0.00048828125	✔
target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value	0.921569824	0.921569824 ± 0.0000390625	✔
target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value	0.570556641	0.570556641 ± 0.00048828125	✔



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## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	✓
EOTDetermination	1	EOTDetermination	1	✓
EOTOrigImpact	1	EOTOrigImpact	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_DetLmtPos	1	SES_DetLmtPos	1	✓
SES_CalcExitGain	1	SES_CalcExitGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_CalcEnterGain	1	SES_CalcEnterGain	1	✓
BilinearXMYM_u16_u16XMu16YM_Cnt	1	BilinearXMYM_u16_u16XMu16YM_Cnt	1	✓
SES_CalcEOTGain	1	SES_CalcEOTGain	1	✓
SES_FiltEOTGain	1	SES_FiltEOTGain	1	✓
SES_CalcEOTDamp	1	SES_CalcEOTDamp	1	✓
BilinearXMYM_u16_u16XMu16YM_Cnt	1	BilinearXMYM_u16_u16XMu16YM_Cnt	1	✓
SES_StateCtrl	1	SES_StateCtrl	1	✓
Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	✓

## Test Step 2.66 (Repeat Count = 1)

Name	Input Value
EOTActuatorMng_Damping_MtrNm_M_f32	-20.5
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	0
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	0
EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24	-167772160
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED
Rte_Inst_Ap_EOTActuatorMng	target_Rte_Inst_Ap_EOTActuatorMng
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0
k_EOTDefltPosition_HwDeg_u12p4	0
k_EOTDeltaTrqThrsh_HwNm_u9p7	0
k_EOTDynConf_Uls_u8p8	0
k_EOTEnterLPFKn_Cnt_u16	82
k_EOTExitLPFKn_Cnt_u16	82
k_EOTImpSpdEn_Kph_u9p7	0
k_EOTOriginalImpactandSoftEnd_Cnt_lgc	0
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32	0
k_EOTStateHwTrqLPFKn_Cnt_u16	82
k_MaxRackTrvl_HwDeg_u12p4	0
k_MinRackTrvl_HwDeg_u12p4	0
k_PosRampStep_HwDeg_u12p4	0
k_SoftStopEOTEnable_Cnt_lgc	0
k_SpdIptScale_MtrNmpRadpS_u4p12	0
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	0
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	0
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	0
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	0
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	0
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	0
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	0
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	0
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	0
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	0
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	0
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	0
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	0
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	0
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	0
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	0
t2_EOTEnterGainY_Uls_u1p15[0][0]	0
t2_EOTEnterGainY_Uls_u1p15[0][1]	0
t2_EOTEnterGainY_Uls_u1p15[0][2]	0
t2_EOTEnterGainY_Uls_u1p15[0][3]	0
t2_EOTEnterGainY_Uls_u1p15[1][0]	0
t2_EOTEnterGainY_Uls_u1p15[1][1]	0
t2_EOTEnterGainY_Uls_u1p15[1][2]	0
t2_EOTEnterGainY_Uls_u1p15[1][3]	0
t2_EOTEnterGainY_Uls_u1p15[2][0]	0
t2_EOTEnterGainY_Uls_u1p15[2][1]	0
t2_EOTEnterGainY_Uls_u1p15[2][2]	0
t2_EOTEnterGainY_Uls_u1p15[2][3]	0

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Name	Input Value		
t2_EOTEnterGainY_Uls_u1p15[3][0]	0		
t2_EOTEnterGainY_Uls_u1p15[3][1]	0		
t2_EOTEnterGainY_Uls_u1p15[3][2]	0		
t2_EOTEnterGainY_Uls_u1p15[3][3]	0		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	0		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	0		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	0		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	0		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	0		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	0		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	0		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	0		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	0		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	0		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	0		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	0		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	0		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	0		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	0		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	0		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]	0		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]	0		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]	0		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]	0		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]	0		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]	0		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]	0		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]	0		
t_EOTDmpVspd_Kph_u9p7[0]	0		
t_EOTDmpVspd_Kph_u9p7[1]	0		
t_EOTDmpVspd_Kph_u9p7[2]	0		
t_EOTDmpVspd_Kph_u9p7[3]	0		
t_EOTEnterGainVspd_Kph_u9p7[0]	0		
t_EOTEnterGainVspd_Kph_u9p7[1]	0		
t_EOTEnterGainVspd_Kph_u9p7[2]	0		
t_EOTEnterGainVspd_Kph_u9p7[3]	0		
t_SpdIptTblXTbl_HwDeg_u12p4[0]	0		
t_SpdIptTblXTbl_HwDeg_u12p4[1]	0		
t_SpdIptTblYTbl_MtrRadpS_u12p4[0]	0		
t_SpdIptTblYTbl_MtrRadpS_u12p4[1]	0		
t_TrqTableX_HwNm_u8p8[0]	0		
t_TrqTableX_HwNm_u8p8[1]	0		
t_TrqTblY_Uls_u2p14[0]	0		
t_TrqTblY_Uls_u2p14[1]	0		
target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value	-1440.10999		
target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value	0		
target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value	0		
target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value	0		
target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value	0		
target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value	0		
target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value	-1440.10999		
target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value	-10		
target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value	-1350		
target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value	0		
target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value	0		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32	target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls_f32	target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32	target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_lgc	target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Uls_f32	target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32	target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm_f32	target_EOTActuatorMng_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32	target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32	target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph_f32	target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	-20.5	-20.5 ± 0.0000390625	✓
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	0	0 ± 0.0000390625	✓
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	130777088	130777088 ± 1	✓

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Name	Actual Value	Expected Value	Result
EOTActuatorMng_FiltHwTrqSV_HwNm_M_s7p24	-167352320	-167352320 ± 1	✓
EOTActuatorMng_OutputRampMultLtd_M_f32	0	0 ± 0.00390625	✓
EOTActuatorMng_PrevEOTGain_Uls_M_f32	1	1 ± 0.0625	✓
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED	SES_DISABLED	✓
target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value	0	0 ± 0.00048828125	✓
target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value	1	1 ± 0.0000390625	✓
target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value	0	0 ± 0.00048828125	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	✓
EOTDetermination	1	EOTDetermination	1	✓
EOTOrigImpact	1	EOTOrigImpact	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_DetLmtPos	1	SES_DetLmtPos	1	✓
SES_CalcExitGain	1	SES_CalcExitGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_CalcEnterGain	1	SES_CalcEnterGain	1	✓
SES_CalcEOTGain	1	SES_CalcEOTGain	1	✓
SES_FiltEOTGain	1	SES_FiltEOTGain	1	✓
SES_CalcEOTDamp	1	SES_CalcEOTDamp	1	✓
SES_StateCtrl	1	SES_StateCtrl	1	✓
Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	✓

Test Step 2.67 (Repeat Count = 1)	
Name	Input Value
EOTActuatorMng_Damping_MtrNm_M_f32	20.5
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	1440.10999
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	2147483648
EOTActuatorMng_FiltHwTrqSV_HwNm_M_s7p24	167772160
EOTActuatorMng_PrevEOTGain_Uls_M_f32	1
EOTActuatorMng_SESState_Uls_M_enum	SES_EXITING
Rte_Inst_Ap_EOTActuatorMng	target_Rte_Inst_Ap_EOTActuatorMng
k_EOTActiveRegionBypassMaxThresh_Uls_f32	1
k_EOTDefltPosition_HwDeg_u12p4	13104
k_EOTDeltaTrqThrsh_HwNm_u9p7	1280
k_EOTDynConf_Uls_u8p8	65535
k_EOTEnterLPFKn_Cnt_u16	30573
k_EOTExitLPFKn_Cnt_u16	30573
k_EOTImpSpdEn_Kph_u9p7	32640
k_EOTOriginalImpactandSoftEnd_Cnt_lgc	1
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32	1200
k_EOTStateHwTrqLPFKn_Cnt_u16	30573
k_MaxRackTrvl_HwDeg_u12p4	23040
k_MinRackTrvl_HwDeg_u12p4	23040
k_PosRampStep_HwDeg_u12p4	13104
k_SoftStopEOTEnable_Cnt_lgc	1
k_SpdLptScale_MtrNmpRadpS_u4p12	1024
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	14400
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	14400
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	14400
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	14400
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	14400
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	14400
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	14400
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	14400
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	14400
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	14400
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	14400
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	14400
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	14400
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	14400
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	14400
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	14400
t2_EOTEnterGainY_Uls_u1p15[0][0]	32768
t2_EOTEnterGainY_Uls_u1p15[0][1]	32768
t2_EOTEnterGainY_Uls_u1p15[0][2]	32768
t2_EOTEnterGainY_Uls_u1p15[0][3]	32768
t2_EOTEnterGainY_Uls_u1p15[1][0]	32768
t2_EOTEnterGainY_Uls_u1p15[1][1]	32768

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Name	Input Value
t2_EOTEnterGainY_Uls_u1p15[1][2]	32768
t2_EOTEnterGainY_Uls_u1p15[1][3]	32768
t2_EOTEnterGainY_Uls_u1p15[2][0]	32768
t2_EOTEnterGainY_Uls_u1p15[2][1]	32768
t2_EOTEnterGainY_Uls_u1p15[2][2]	32768
t2_EOTEnterGainY_Uls_u1p15[2][3]	32768
t2_EOTEnterGainY_Uls_u1p15[3][0]	32768
t2_EOTEnterGainY_Uls_u1p15[3][1]	32768
t2_EOTEnterGainY_Uls_u1p15[3][2]	32768
t2_EOTEnterGainY_Uls_u1p15[3][3]	32768
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	983
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	983
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	983
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	983
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	983
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	983
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	983
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	983
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	5760
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	5760
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	5760
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	5760
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	5760
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	5760
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	5760
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	5760
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	983
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	983
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	983
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	983
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	983
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	983
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	983
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	983
t_EOTDmpVspd_Kph_u9p7[0]	32640
t_EOTDmpVspd_Kph_u9p7[1]	32640
t_EOTDmpVspd_Kph_u9p7[2]	32640
t_EOTDmpVspd_Kph_u9p7[3]	32640
t_EOTEnterGainVspd_Kph_u9p7[0]	32640
t_EOTEnterGainVspd_Kph_u9p7[1]	32640
t_EOTEnterGainVspd_Kph_u9p7[2]	32640
t_EOTEnterGainVspd_Kph_u9p7[3]	32640
t_SpdIptTblXTbl_HwDeg_u12p4[0]	2880
t_SpdIptTblXTbl_HwDeg_u12p4[1]	2880
t_SpdIptTblYTbl_MtrRadps_u12p4[0]	65520
t_SpdIptTblYTbl_MtrRadps_u12p4[1]	65520
t_TrqTableX_HwNm_u8p8[0]	2560
t_TrqTableX_HwNm_u8p8[1]	2560
t_TrqTblY_Uls_u2p14[0]	16384
t_TrqTblY_Uls_u2p14[1]	16384
target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value	0
target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value	1
target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value	1440.10999
target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value	1
target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value	1
target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value	1
target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value	1440.10999
target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value	10
target_EOTActuatorMng_Per1_MotorVel_MtrRadps_f32.value	1350
target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value	1
target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value	511.992188
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDamping	target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls	target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit_MtrNm	target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CwFound_Cnt_lgc
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_lgc	target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Uls	target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32	target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm_f32	target_EOTActuatorMng_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadps_f32	target_EOTActuatorMng_Per1_MotorVel_MtrRadps_f32

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EOTActuatorMng\_Per1

Name	Input Value		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_OutputRampMultLtd	target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph	target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	20.249176	20.249176 ± 0.0000390625	✓
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	1440.10999	1440.10999 ± 0.0000390625	✓
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	2147483648	2147483648 ± 1	✓
EOTActuatorMng_FiltHWTqSV_HwNm_M_s7p24	167772160	167772160 ± 1	✓
EOTActuatorMng_OutputRampMultLtd_M_f32	1	1 ± 0.00390625	✓
EOTActuatorMng_PrevEOTGain_Uls_M_f32	1	1 ± 0.0625	✓
EOTActuatorMng_SESSState_Uls_M_enum	SES_DISABLED	SES_DISABLED	✓
target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value	8.80000019	8.80000019 ± 0.00048828125	✓
target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value	1	1 ± 0.0000390625	✓
target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value	8.80000019	8.80000019 ± 0.00048828125	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	✓
EOTDetermination	1	EOTDetermination	1	✓
SES_DetLmtPos	1	SES_DetLmtPos	1	✓
SES_CalcExitGain	1	SES_CalcExitGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_CalcEnterGain	1	SES_CalcEnterGain	1	✓
BilinearXMYM_u16_u16XM_u16YM_Cnt	1	BilinearXMYM_u16_u16XM_u16YM_Cnt	1	✓
SES_CalcEOTGain	1	SES_CalcEOTGain	1	✓
SES_FiltEOTGain	1	SES_FiltEOTGain	1	✓
SES_CalcEOTDamp	1	SES_CalcEOTDamp	1	✓
BilinearXMYM_u16_u16XM_u16YM_Cnt	1	BilinearXMYM_u16_u16XM_u16YM_Cnt	1	✓
SES_StateCtrl	1	SES_StateCtrl	1	✓
Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	✓

## Test Case 3: Path Test

<b>Specification</b>	Performance Metrics (With "None" Instrumentation and WithPS Environment) CPU Cycles:  TS3.1 1880 cycles TS3.2 1880 cycles TS3.3 1880 cycles TS3.4 1880 cycles TS3.5 1157 cycles TS3.6 1873 cycles TS3.7 1892 cycles TS3.8 1892 cycles TS3.9 1875 cycles
<b>Description</b>	Vector Description  TS3.1"if((EOTDet_Cnt_T_lgc == TRUE)=>FALSE    (TRUE == EOTDisable_Cnt_T_lgc))=>FALSE, if((SESState_Uls_M_enum == SES_DISABLED)=>FALSE" TS3.2if((EOTDet_Cnt_T_lgc == TRUE)=>FALSE    (TRUE == EOTDisable_Cnt_T_lgc))=>TRUE TS3.3if((EOTDet_Cnt_T_lgc == TRUE)    (TRUE == EOTDisable_Cnt_T_lgc))=>TRUE TS3.4(AssistEOTLimit_MtrNm_T_f32 <= 0 )=>TRUE TS3.5"if((SESState_Uls_M_enum == SES_DISABLED)=>TRUE , (AssistEOTGain_Uls_T_f32 >= 1)=>TRUE" TS3.6(AssistEOTDamping_MtrNm_T_f32 >= 8.8)=>TRUE TS3.7(AssistEOTDamping_MtrNm_T_f32 <= -8.8)=>TRUE TS3.8(AssistEOTGain_Uls_T_f32 <= 0)=>TRUE TS3.9AssistEOTDamping_MtrNm_T_f32 = Limit_m(AssistEOTDamping_MtrNm_T_f32, D_EOTDAMPLMLT_MTRNM_F32, D_EOTDAMPLMLT_MTRNM_F32)=>TRUE

## Test Step 3.1 (Repeat Count = 1)

Name	Input Value
EOTActuatorMng_Damping_MtrNm_M_f32	-8.80000019
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	789
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	1009317315
EOTActuatorMng_FiltHWTqSV_HwNm_M_s7p24	23991419
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.649999976
EOTActuatorMng_SESSState_Uls_M_enum	SES_NORMAL
Rte_Inst_Ap_EOTActuatorMng	target_Rte_Inst_Ap_EOTActuatorMng
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0
k_EOTDefltPosition_HwDeg_u12p4	3200
k_EOTDeltaTrqThrsh_HwNm_u9p7	1152
k_EOTDynConf_Uls_u8p8	205
k_EOTEnterLPFKn_Cnt_u16	6544
k_EOTExitLPFKn_Cnt_u16	111
k_EOTImpSpdEn_Kph_u9p7	5376

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EOTActuatorMng\_Per1

Name	Input Value
k_EOTOriginalImpactandSoftEnd_Cnt_lgc	0
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32	0
k_EOTStateHwTrqLPFKn_Cnt_u16	3754
k_MaxRackTrvl_HwDeg_u12p4	1776
k_MinRackTrvl_HwDeg_u12p4	14400
k_PosRampStep_HwDeg_u12p4	10848
k_SoftStopEOTEnable_Cnt_lgc	0
k_SpdIptScale_MtrNmpRadpS_u4p12	80
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	0
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	480
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	960
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	1440
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	0
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	480
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	960
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	1440
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	0
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	480
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	960
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	1440
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	0
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	480
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	960
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	1440
t2_EOTEnterGainY_Uls_u1p15[0][0]	0
t2_EOTEnterGainY_Uls_u1p15[0][1]	10813
t2_EOTEnterGainY_Uls_u1p15[0][2]	21627
t2_EOTEnterGainY_Uls_u1p15[0][3]	32768
t2_EOTEnterGainY_Uls_u1p15[1][0]	0
t2_EOTEnterGainY_Uls_u1p15[1][1]	10813
t2_EOTEnterGainY_Uls_u1p15[1][2]	21627
t2_EOTEnterGainY_Uls_u1p15[1][3]	32768
t2_EOTEnterGainY_Uls_u1p15[2][0]	0
t2_EOTEnterGainY_Uls_u1p15[2][1]	10813
t2_EOTEnterGainY_Uls_u1p15[2][2]	21627
t2_EOTEnterGainY_Uls_u1p15[2][3]	32768
t2_EOTEnterGainY_Uls_u1p15[3][0]	0
t2_EOTEnterGainY_Uls_u1p15[3][1]	10813
t2_EOTEnterGainY_Uls_u1p15[3][2]	21627
t2_EOTEnterGainY_Uls_u1p15[3][3]	32768
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	0
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	256
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	154
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	512
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	31
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	94
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	160
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	224
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	0
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	320
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	0
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	320
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	0
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	320
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	0
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	320
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]	0
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]	128
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]	146
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]	416
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]	31
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]	640
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]	93
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]	448
t_EOTDmpVspd_Kph_u9p7[0]	0
t_EOTDmpVspd_Kph_u9p7[1]	640
t_EOTDmpVspd_Kph_u9p7[2]	1280
t_EOTDmpVspd_Kph_u9p7[3]	2560
t_EOTEnterGainVspd_Kph_u9p7[0]	0
t_EOTEnterGainVspd_Kph_u9p7[1]	640
t_EOTEnterGainVspd_Kph_u9p7[2]	1280
t_EOTEnterGainVspd_Kph_u9p7[3]	2816
t_SpdIptTblX_HwDeg_u12p4[0]	400

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EOTActuatorMng\_Per1

Name	Input Value		
t_SpdIptTbIXTbI_HwDeg_u12p4[1]	800		
t_SpdIptTbIYTbI_MtrRadpS_u12p4[0]	288		
t_SpdIptTbIYTbI_MtrRadpS_u12p4[1]	960		
t_TrqTableX_HwNm_u8p8[0]	2304		
t_TrqTableX_HwNm_u8p8[1]	2560		
t_TrqTbIY_Uls_u2p14[0]	16		
t_TrqTbIY_Uls_u2p14[1]	163		
target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value	-888		
target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value	1		
target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value	950		
target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value	1		
target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value	0		
target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value	0.779999971		
target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value	800		
target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value	-10		
target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value	0.100000001		
target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value	0.593999982		
target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value	10		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32	target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls_f32	target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32	target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_lgc	target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Uls_f32	target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32	target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm_f32	target_EOTActuatorMng_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32	target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32	target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph_f32	target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	-8.80000019	-8.80000019 ± 0.0000390625	✔
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	200	200 ± 0.0000390625	✔
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	1122973507	1122973507 ± 1	✔
EOTActuatorMng_FiltHWTqSV_HwNm_M_s7p24	13007215	13007215 ± 1	✔
EOTActuatorMng_OutputRampMultLtd_M_f32	0.593999982	0.593999982 ± 0.00390625	✔
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.522918701	0.522918701 ± 0.0625	✔
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED	SES_DISABLED	✔
target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value	-8.80000019	-8.80000019 ± 0.00048828125	✔
target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value	0.522918701	0.522918701 ± 0.0000390625	✔
target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value	0.349609375	0.349609375 ± 0.00048828125	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	✓
EOTDetermination	1	EOTDetermination	1	✓
EOTOrigImpact	1	EOTOrigImpact	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_DetLmtPos	1	SES_DetLmtPos	1	✓
SES_CalcExitGain	1	SES_CalcExitGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_CalcEnterGain	1	SES_CalcEnterGain	1	✓
BilinearXMYM_u16_u16XM_u16YM_Cnt	1	BilinearXMYM_u16_u16XM_u16YM_Cnt	1	✓
SES_CalcEOTGain	1	SES_CalcEOTGain	1	✓
SES_FiltEOTGain	1	SES_FiltEOTGain	1	✓
SES_CalcEOTDamp	1	SES_CalcEOTDamp	1	✓
BilinearXMYM_u16_u16XM_u16YM_Cnt	1	BilinearXMYM_u16_u16XM_u16YM_Cnt	1	✓
SES_StateCtrl	1	SES_StateCtrl	1	✓
Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	✓

Test Step 3.2 (Repeat Count = 1)	
Name	Input Value
EOTActuatorMng_Damping_MtrNm_M_f32	-6.80000019
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	678
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	794568950
EOTActuatorMng_FiltHWTqSV_HwNm_M_s7p24	-148981678
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.540000021
EOTActuatorMng_SESState_Uls_M_enum	SES_ENTERING



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EOTActuatorMng\_Per1

Name	Input Value
Rte_Inst_Ap_EOTActuatorMng	target_Rte_Inst_Ap_EOTActuatorMng
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0
k_EOTDefltPosition_HwDeg_u12p4	4800
k_EOTDeltaTrqThrsh_HwNm_u9p7	1024
k_EOTDynConf_Uls_u8p8	205
k_EOTEnterLPFKn_Cnt_u16	3643
k_EOTExitLPFKn_Cnt_u16	222
k_EOTImpSpdEn_Kph_u9p7	5504
k_EOTOriginalImpactandSoftEnd_Cnt_lgc	1
k_EOTPosDepDmpFinalSlew_MtrNmpS_T_f32	20.2399998
k_EOTStateHwTrqLPFKn_Cnt_u16	2436
k_MaxRackTrvl_HwDeg_u12p4	3552
k_MinRackTrvl_HwDeg_u12p4	15456
k_PosRampStep_HwDeg_u12p4	2016
k_SoftStopEOTEnable_Cnt_lgc	1
k_SpdPtScale_MtrNmpRadps_u4p12	80
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	0
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	480
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	960
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	1440
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	0
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	480
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	960
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	1440
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	0
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	480
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	960
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	1440
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	0
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	480
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	960
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	1440
t2_EOTEnterGainY_Uls_u1p15[0][0]	0
t2_EOTEnterGainY_Uls_u1p15[0][1]	10813
t2_EOTEnterGainY_Uls_u1p15[0][2]	21627
t2_EOTEnterGainY_Uls_u1p15[0][3]	32768
t2_EOTEnterGainY_Uls_u1p15[1][0]	0
t2_EOTEnterGainY_Uls_u1p15[1][1]	10813
t2_EOTEnterGainY_Uls_u1p15[1][2]	21627
t2_EOTEnterGainY_Uls_u1p15[1][3]	32768
t2_EOTEnterGainY_Uls_u1p15[2][0]	0
t2_EOTEnterGainY_Uls_u1p15[2][1]	10813
t2_EOTEnterGainY_Uls_u1p15[2][2]	21627
t2_EOTEnterGainY_Uls_u1p15[2][3]	32768
t2_EOTEnterGainY_Uls_u1p15[3][0]	0
t2_EOTEnterGainY_Uls_u1p15[3][1]	10813
t2_EOTEnterGainY_Uls_u1p15[3][2]	21627
t2_EOTEnterGainY_Uls_u1p15[3][3]	32768
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	0
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	256
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	154
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	512
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	31
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	94
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	160
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	224
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	0
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	320
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	0
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	320
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	0
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	320
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	0
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	320
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	0
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	128
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	146
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	416
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	31
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	640
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	93
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	448
t_EOTDmpVspd_Kph_u9p7[0]	0

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Name	Input Value		
t_EOTDmpVspd_Kph_u9p7[1]	640		
t_EOTDmpVspd_Kph_u9p7[2]	1280		
t_EOTDmpVspd_Kph_u9p7[3]	2560		
t_EOTEnterGainVspd_Kph_u9p7[0]	0		
t_EOTEnterGainVspd_Kph_u9p7[1]	640		
t_EOTEnterGainVspd_Kph_u9p7[2]	1280		
t_EOTEnterGainVspd_Kph_u9p7[3]	2944		
t_SpdIptTbIXTbI_HwDeg_u12p4[0]	400		
t_SpdIptTbIXTbI_HwDeg_u12p4[1]	816		
t_SpdIptTbIYTbI_MtrRadpS_u12p4[0]	304		
t_SpdIptTbIYTbI_MtrRadpS_u12p4[1]	976		
t_TrqTableX_HwNm_u8p8[0]	2048		
t_TrqTableX_HwNm_u8p8[1]	2304		
t_TrqTbIY_Uls_u2p14[0]	32		
t_TrqTbIY_Uls_u2p14[1]	327		
target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value	-777		
target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value	0		
target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value	855		
target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value	0		
target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value	1		
target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value	0.670000017		
target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value	-760		
target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value	10		
target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value	0.200000003		
target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value	0.165000007		
target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value	20		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32	target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls_f32	target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32	target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_lgc	target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Uls_f32	target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32	target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm_f32	target_EOTActuatorMng_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32	target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32	target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph_f32	target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	-6.75952005	-6.75952005 ± 0.0000390625	✔
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	678	678 ± 0.0000390625	✔
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	869775042	869775042 ± 1	✔
EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24	-149678374	-149678374 ± 1	✔
EOTActuatorMng_OutputRampMultLtd_M_f32	0.165000007	0.165000007 ± 0.00390625	✔
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.404998779	0.404998779 ± 0.0625	✔
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED	SES_DISABLED	✔
target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value	-6.75952005	-6.75952005 ± 0.00048828125	✔
target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value	0.404998779	0.404998779 ± 0.0000390625	✔
target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value	8.80000019	8.80000019 ± 0.00048828125	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	✓
EOTDetermination	1	EOTDetermination	1	✓
SES_DetLmtPos	1	SES_DetLmtPos	1	✓
SES_CalcExitGain	1	SES_CalcExitGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_CalcEnterGain	1	SES_CalcEnterGain	1	✓
BilinearXMYM_u16_u16XM_u16YM_Cnt	1	BilinearXMYM_u16_u16XM_u16YM_Cnt	1	✓
SES_CalcEOTGain	1	SES_CalcEOTGain	1	✓
SES_FiltEOTGain	1	SES_FiltEOTGain	1	✓
SES_CalcEOTDamp	1	SES_CalcEOTDamp	1	✓
BilinearXMYM_u16_u16XM_u16YM_Cnt	1	BilinearXMYM_u16_u16XM_u16YM_Cnt	1	✓
SES_StateCtrl	1	SES_StateCtrl	1	✓
Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	✓

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Test Step 3.3 (Repeat Count = 1)	
Name	Input Value
EOTActuatorMng_Damping_MtrNm_M_f32	-4.80000019
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	780
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	966367642
EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24	-25165824
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.550000012
EOTActuatorMng_SESState_Uls_M_enum	SES_ENTERING
Rte_Inst_Ap_EOTActuatorMng	target_Rte_Inst_Ap_EOTActuatorMng
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0
k_EOTDefltPosition_HwDeg_u12p4	10848
k_EOTDeltaTrqThrsh_HwNm_u9p7	768
k_EOTDynConf_Uls_u8p8	205
k_EOTEnterLPFKn_Cnt_u16	3456
k_EOTExitLPFKn_Cnt_u16	3564
k_EOTImpSpdEn_Kph_u9p7	8064
k_EOTOriginalImpactandSoftEnd_Cnt_lgc	0
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32	30.6100006
k_EOTStateHwTrqLPFKn_Cnt_u16	100
k_MaxRackTrvl_HwDeg_u12p4	2208
k_MinRackTrvl_HwDeg_u12p4	6512
k_PosRampStep_HwDeg_u12p4	10848
k_SoftStopEOTEnable_Cnt_lgc	1
k_SpdIptScale_MtrNmpRadps_u4p12	88
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	0
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	480
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	960
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	1440
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	0
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	480
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	960
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	1440
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	0
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	480
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	960
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	1440
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	0
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	480
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	960
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	1440
t2_EOTEnterGainY_Uls_u1p15[0][0]	0
t2_EOTEnterGainY_Uls_u1p15[0][1]	10813
t2_EOTEnterGainY_Uls_u1p15[0][2]	21627
t2_EOTEnterGainY_Uls_u1p15[0][3]	32768
t2_EOTEnterGainY_Uls_u1p15[1][0]	0
t2_EOTEnterGainY_Uls_u1p15[1][1]	10813
t2_EOTEnterGainY_Uls_u1p15[1][2]	21627
t2_EOTEnterGainY_Uls_u1p15[1][3]	32768
t2_EOTEnterGainY_Uls_u1p15[2][0]	0
t2_EOTEnterGainY_Uls_u1p15[2][1]	10813
t2_EOTEnterGainY_Uls_u1p15[2][2]	21627
t2_EOTEnterGainY_Uls_u1p15[2][3]	32768
t2_EOTEnterGainY_Uls_u1p15[3][0]	0
t2_EOTEnterGainY_Uls_u1p15[3][1]	10813
t2_EOTEnterGainY_Uls_u1p15[3][2]	21627
t2_EOTEnterGainY_Uls_u1p15[3][3]	32768
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	0
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	256
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	154
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	512
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	31
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	94
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	160
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	224
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	0
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	320
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	0
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	320
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	0
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	320
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	0
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	320
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	0

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Name	Input Value		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]	128		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]	146		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]	416		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]	31		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]	640		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]	93		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]	448		
t_EOTDmpVspd_Kph_u9p7[0]	0		
t_EOTDmpVspd_Kph_u9p7[1]	640		
t_EOTDmpVspd_Kph_u9p7[2]	1280		
t_EOTDmpVspd_Kph_u9p7[3]	2560		
t_EOTEnterGainVspd_Kph_u9p7[0]	0		
t_EOTEnterGainVspd_Kph_u9p7[1]	640		
t_EOTEnterGainVspd_Kph_u9p7[2]	1280		
t_EOTEnterGainVspd_Kph_u9p7[3]	5504		
t_SpdIptTblXTbl_HwDeg_u12p4[0]	400		
t_SpdIptTblXTbl_HwDeg_u12p4[1]	1136		
t_SpdIptTblYTbl_MtrRadpS_u12p4[0]	624		
t_SpdIptTblYTbl_MtrRadpS_u12p4[1]	960		
t_TrqTableX_HwNm_u8p8[0]	2304		
t_TrqTableX_HwNm_u8p8[1]	2560		
t_TrqTblY_Uls_u2p14[0]	49		
t_TrqTblY_Uls_u2p14[1]	491		
target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value	-111		
target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value	1		
target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value	888		
target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value	1		
target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value	0		
target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value	1		
target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value	0		
target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value	3.5		
target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value	0.00300000003		
target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value	0.129999995		
target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value	24		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDamping	target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls	target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit_MtrI	target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f3	target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_lgc	target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Uls	target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_Hwl	target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm_f	target_EOTActuatorMng_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadpS	target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_OutputRampMultLtd	target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph	target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	-4.73878002	-4.73878002 ± 0.0000390625	✔
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	780	780 ± 0.0000390625	✔
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	1028655130	1028655130 ± 1	✔
EOTActuatorMng_FiltHWTqSV_HwNm_M_s7p24	-25037824	-25037824 ± 1	✔
EOTActuatorMng_OutputRampMultLtd_M_f32	0.129999995	0.129999995 ± 0.00390625	✔
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.479003906	0.479003906 ± 0.0625	✔
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL	SES_NORMAL	✔
target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value	-4.73878002	-4.73878002 ± 0.00048828125	✔
target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value	0.479003906	0.479003906 ± 0.0000390625	✔
target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value	8.80000019	8.80000019 ± 0.00048828125	✔

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## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	✓
EOTDetermination	1	EOTDetermination	1	✓
SES_DetLmtPos	1	SES_DetLmtPos	1	✓
SES_CalcExitGain	1	SES_CalcExitGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_CalcEnterGain	1	SES_CalcEnterGain	1	✓
BilinearXYMY_u16_u16XM_u16YM_Cnt	1	BilinearXYMY_u16_u16XM_u16YM_Cnt	1	✓
SES_CalcEOTGain	1	SES_CalcEOTGain	1	✓
SES_FiltEOTGain	1	SES_FiltEOTGain	1	✓
SES_CalcEOTDamp	1	SES_CalcEOTDamp	1	✓
BilinearXYMY_u16_u16XM_u16YM_Cnt	1	BilinearXYMY_u16_u16XM_u16YM_Cnt	1	✓
SES_StateCtrl	1	SES_StateCtrl	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	2	IntplVarXY_u16_u16Xu16Y_Cnt	2	✓
Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	✓

## Test Step 3.4 (Repeat Count = 1)

Name	Input Value
EOTActuatorMng_Damping_MtrNm_M_f32	-2.79999995
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	567
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	493921239
EOTActuatorMng_FiltHWTTrqSV_HwNm_M_s7p24	-150994944
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.330000013
EOTActuatorMng_SESSState_Uls_M_enum	SES_ENTERING
Rte_Inst_Ap_EOTActuatorMng	target_Rte_Inst_Ap_EOTActuatorMng
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0
k_EOTDefltPosition_HwDeg_u12p4	12624
k_EOTDeltaTrqThrsh_HwNm_u9p7	512
k_EOTDynConf_Uls_u8p8	205
k_EOTEnterLPFKn_Cnt_u16	1000
k_EOTExitLPFKn_Cnt_u16	7567
k_EOTImpSpdEn_Kph_u9p7	8320
k_EOTOriginalImpactandSoftEnd_Cnt_lgc	1
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32	46.6599998
k_EOTStateHwTrqLPFKn_Cnt_u16	300
k_MaxRackTrvl_HwDeg_u12p4	2240
k_MinRackTrvl_HwDeg_u12p4	17760
k_PosRampStep_HwDeg_u12p4	7296
k_SoftStopEOTEnable_Cnt_lgc	1
k_SpdIptScale_MtrNmpRadpS_u4p12	89
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	0
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	480
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	960
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	1440
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	0
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	480
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	960
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	1440
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	0
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	480
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	960
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	1440
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	0
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	480
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	960
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	1440
t2_EOTEnterGainY_Uls_u1p15[0][0]	0
t2_EOTEnterGainY_Uls_u1p15[0][1]	10813
t2_EOTEnterGainY_Uls_u1p15[0][2]	21627
t2_EOTEnterGainY_Uls_u1p15[0][3]	32768
t2_EOTEnterGainY_Uls_u1p15[1][0]	0
t2_EOTEnterGainY_Uls_u1p15[1][1]	10813
t2_EOTEnterGainY_Uls_u1p15[1][2]	21627
t2_EOTEnterGainY_Uls_u1p15[1][3]	32768
t2_EOTEnterGainY_Uls_u1p15[2][0]	0
t2_EOTEnterGainY_Uls_u1p15[2][1]	10813
t2_EOTEnterGainY_Uls_u1p15[2][2]	21627
t2_EOTEnterGainY_Uls_u1p15[2][3]	32768
t2_EOTEnterGainY_Uls_u1p15[3][0]	0

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Name	Input Value		
t2_EOTEnterGainY_Uls_u1p15[3][1]	10813		
t2_EOTEnterGainY_Uls_u1p15[3][2]	21627		
t2_EOTEnterGainY_Uls_u1p15[3][3]	32768		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	0		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	256		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	154		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	512		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	31		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	94		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	160		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	224		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	0		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	320		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	0		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	320		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	0		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	320		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	0		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	320		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]	0		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]	128		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]	146		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]	416		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]	31		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]	640		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]	93		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]	448		
t_EOTDmpVspd_Kph_u9p7[0]	0		
t_EOTDmpVspd_Kph_u9p7[1]	640		
t_EOTDmpVspd_Kph_u9p7[2]	1280		
t_EOTDmpVspd_Kph_u9p7[3]	2560		
t_EOTEnterGainVspd_Kph_u9p7[0]	0		
t_EOTEnterGainVspd_Kph_u9p7[1]	640		
t_EOTEnterGainVspd_Kph_u9p7[2]	1280		
t_EOTEnterGainVspd_Kph_u9p7[3]	5760		
t_SpdIptTblXTbl_HwDeg_u12p4[0]	400		
t_SpdIptTblXTbl_HwDeg_u12p4[1]	1168		
t_SpdIptTblYTbl_MtrRadpS_u12p4[0]	656		
t_SpdIptTblYTbl_MtrRadpS_u12p4[1]	960		
t_TrqTableX_HwNm_u8p8[0]	1792		
t_TrqTableX_HwNm_u8p8[1]	2048		
t_TrqTblY_Uls_u2p14[0]	65		
t_TrqTblY_Uls_u2p14[1]	655		
target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value	-222		
target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value	0		
target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value	999		
target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value	1		
target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value	0		
target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value	0.889999986		
target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value	882		
target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value	4.5		
target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value	-1118		
target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value	0.358999997		
target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value	26		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32	target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls_f32	target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32	target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_lgc	target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Uls_f32	target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32	target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm_f32	target_EOTActuatorMng_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32	target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32	target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph_f32	target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	-2.70668006	-2.70668006 ± 0.0000390625	✔
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	789	789 ± 0.0000390625	✔
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	519153239	519153239 ± 1	✔
EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24	-149958144	-149958144 ± 1	✔

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Name	Actual Value	Expected Value	Result
EOTActuatorMng_OutputRampMultLtd_M_f32	0.358999997	0.358999997 ± 0.00390625	✓
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.241729736	0.241729736 ± 0.0625	✓
EOTActuatorMng_SESSState_Uls_M_enum	SES_DISABLED	SES_DISABLED	✓
target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value	-2.70668006	-2.70668006 ± 0.00048828125	✓
target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value	0.241729736	0.241729736 ± 0.0000390625	✓
target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value	0	0 ± 0.00048828125	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	✓
EOTDetermination	1	EOTDetermination	1	✓
EOTOrigImpact	1	EOTOrigImpact	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_DetLmtPos	1	SES_DetLmtPos	1	✓
SES_CalcExitGain	1	SES_CalcExitGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_CalcEnterGain	1	SES_CalcEnterGain	1	✓
BilinearXMYM_u16_u16XMu16YM_Cnt	1	BilinearXMYM_u16_u16XMu16YM_Cnt	1	✓
SES_CalcEOTGain	1	SES_CalcEOTGain	1	✓
SES_FiltEOTGain	1	SES_FiltEOTGain	1	✓
SES_CalcEOTDamp	1	SES_CalcEOTDamp	1	✓
BilinearXMYM_u16_u16XMu16YM_Cnt	1	BilinearXMYM_u16_u16XMu16YM_Cnt	1	✓
SES_StateCtrl	1	SES_StateCtrl	1	✓
Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	✓

## Test Step 3.5 (Repeat Count = 1)

Name	Input Value
EOTActuatorMng_Damping_MtrNm_M_f32	-0.800000012
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	423
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	644245094
EOTActuatorMng_FiltHWTqSV_HwNm_M_s7p24	33554432
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.5
EOTActuatorMng_SESSState_Uls_M_enum	SES_DISABLED
Rte_Inst_Ap_EOTActuatorMng	target_Rte_Inst_Ap_EOTActuatorMng
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0
k_EOTDefltPosition_HwDeg_u12p4	11120
k_EOTDeltaTrqThrsh_HwNm_u9p7	256
k_EOTDynConf_Uls_u8p8	205
k_EOTEnterLPFKn_Cnt_u16	7777
k_EOTExitLPFKn_Cnt_u16	3658
k_EOTImpSpdEn_Kph_u9p7	4992
k_EOTOriginalImpactandSoftEnd_Cnt_lgc	0
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32	61.6599998
k_EOTStateHwTrqLPFKn_Cnt_u16	7337
k_MaxRackTrvl_HwDeg_u12p4	2496
k_MinRackTrvl_HwDeg_u12p4	8544
k_PosRampStep_HwDeg_u12p4	736
k_SoftStopEOTEnable_Cnt_lgc	1
k_SpdIptScale_MtrNmpRadpS_u4p12	93
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	0
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	480
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	960
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	1440
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	0
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	480
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	960
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	1440
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	0
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	480
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	960
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	1440
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	0
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	480
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	960
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	1440
t2_EOTEnterGainY_Uls_u1p15[0][0]	0
t2_EOTEnterGainY_Uls_u1p15[0][1]	10813
t2_EOTEnterGainY_Uls_u1p15[0][2]	21627
t2_EOTEnterGainY_Uls_u1p15[0][3]	32768
t2_EOTEnterGainY_Uls_u1p15[1][0]	0



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Name	Input Value
t2_EOTEnterGainY_Uls_u1p15[1][1]	10813
t2_EOTEnterGainY_Uls_u1p15[1][2]	21627
t2_EOTEnterGainY_Uls_u1p15[1][3]	32768
t2_EOTEnterGainY_Uls_u1p15[2][0]	0
t2_EOTEnterGainY_Uls_u1p15[2][1]	10813
t2_EOTEnterGainY_Uls_u1p15[2][2]	21627
t2_EOTEnterGainY_Uls_u1p15[2][3]	32768
t2_EOTEnterGainY_Uls_u1p15[3][0]	0
t2_EOTEnterGainY_Uls_u1p15[3][1]	10813
t2_EOTEnterGainY_Uls_u1p15[3][2]	21627
t2_EOTEnterGainY_Uls_u1p15[3][3]	32768
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	0
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	256
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	154
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	512
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	31
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	94
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	160
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	224
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	0
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	320
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	0
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	320
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	0
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	320
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	0
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	320
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]	0
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]	128
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]	146
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]	416
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]	31
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]	640
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]	93
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]	448
t_EOTDmpVspd_Kph_u9p7[0]	0
t_EOTDmpVspd_Kph_u9p7[1]	640
t_EOTDmpVspd_Kph_u9p7[2]	1280
t_EOTDmpVspd_Kph_u9p7[3]	2560
t_EOTEnterGainVspd_Kph_u9p7[0]	0
t_EOTEnterGainVspd_Kph_u9p7[1]	640
t_EOTEnterGainVspd_Kph_u9p7[2]	1280
t_EOTEnterGainVspd_Kph_u9p7[3]	7808
t_SpdIptTblXTbl_HwDeg_u12p4[0]	400
t_SpdIptTblXTbl_HwDeg_u12p4[1]	1312
t_SpdIptTblYTbl_MtrRadpS_u12p4[0]	848
t_SpdIptTblYTbl_MtrRadpS_u12p4[1]	960
t_TrqTableX_HwNm_u8p8[0]	768
t_TrqTableX_HwNm_u8p8[1]	1024
t_TrqTblY_Uls_u2p14[0]	81
t_TrqTblY_Uls_u2p14[1]	819
target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value	-456
target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value	1
target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value	565
target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value	1
target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value	1
target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value	0.845000029
target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value	777
target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value	0.550000012
target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value	-550
target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value	0.254000008
target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value	19
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDamping	target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls	target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit_MtrNm	target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CwFound_Cnt_lgc
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_lgc	target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Uls	target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_HwDeg	target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm_f32	target_EOTActuatorMng_Per1_HwTorque_HwNm_f32

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EOTActuatorMng\_Per1

Name	Input Value		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadpS	target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_OutputRampMultLtd	target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph	target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	-0.676680028	-0.676680028 ± 0.0000390625	✔
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	423	423 ± 0.0000390625	✔
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	735790652	735790652 ± 1	✔
EOTActuatorMng_FiltHwTrqSV_HwNm_M_s7p24	30825068	30825068 ± 1	✔
EOTActuatorMng_OutputRampMultLtd_M_f32	0.254000008	0.254000008 ± 0.00390625	✔
EOTActuatorMng_PrevEOTGain_Uls_M_f32	1	1 ± 0.0625	✔
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED	SES_DISABLED	✔
target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value	0	0 ± 0.00048828125	✔
target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value	1	1 ± 0.0000390625	✔
target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value	8.80000019	8.80000019 ± 0.00048828125	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	✓
EOTDetermination	1	EOTDetermination	1	✓
SES_DeLmtPos	1	SES_DeLmtPos	1	✓
SES_CalcExitGain	1	SES_CalcExitGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_CalcEnterGain	1	SES_CalcEnterGain	1	✓
SES_CalcEOTGain	1	SES_CalcEOTGain	1	✓
SES_FiltEOTGain	1	SES_FiltEOTGain	1	✓
SES_CalcEOTDamp	1	SES_CalcEOTDamp	1	✓
SES_StateCtrl	1	SES_StateCtrl	1	✓
Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	✓

Test Step 3.6 (Repeat Count = 1)	
Name	Input Value
EOTActuatorMng_Damping_MtrNm_M_f32	1.20000005
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	1440.10999
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	2147483648
EOTActuatorMng_FiltHwTrqSV_HwNm_M_s7p24	167772160
EOTActuatorMng_PrevEOTGain_Uls_M_f32	1
EOTActuatorMng_SESState_Uls_M_enum	SES_EXITING
Rte_Inst_Ap_EOTActuatorMng	target_Rte_Inst_Ap_EOTActuatorMng
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0
k_EOTDefltPosition_HwDeg_u12p4	13104
k_EOTDeltaTrqThrsh_HwNm_u9p7	1280
k_EOTDynConf_Uls_u8p8	65535
k_EOTEnterLPFKn_Cnt_u16	30573
k_EOTExitLPFKn_Cnt_u16	30573
k_EOTImpSpdEn_Kph_u9p7	32640
k_EOTOriginalImpactandSoftEnd_Cnt_lgc	1
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32	76.6600037
k_EOTStateHwTrqLPFKn_Cnt_u16	30573
k_MaxRackTrvl_HwDeg_u12p4	23040
k_MinRackTrvl_HwDeg_u12p4	23040
k_PosRampStep_HwDeg_u12p4	13104
k_SoftStopEOTEnable_Cnt_lgc	1
k_SpdIptScale_MtrNmpRadpS_u4p12	1024
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	14400
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	14400
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	14400
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	14400
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	14400
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	14400
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	14400
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	14400
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	14400
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	14400
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	14400
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	14400
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	14400
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	14400
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	14400
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	14400
t2_EOTEnterGainY_Uls_u1p15[0][0]	32768

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Name	Input Value
t2_EOTEnterGainY_Uls_u1p15[0][1]	32768
t2_EOTEnterGainY_Uls_u1p15[0][2]	32768
t2_EOTEnterGainY_Uls_u1p15[0][3]	32768
t2_EOTEnterGainY_Uls_u1p15[1][0]	32768
t2_EOTEnterGainY_Uls_u1p15[1][1]	32768
t2_EOTEnterGainY_Uls_u1p15[1][2]	32768
t2_EOTEnterGainY_Uls_u1p15[1][3]	32768
t2_EOTEnterGainY_Uls_u1p15[2][0]	32768
t2_EOTEnterGainY_Uls_u1p15[2][1]	32768
t2_EOTEnterGainY_Uls_u1p15[2][2]	32768
t2_EOTEnterGainY_Uls_u1p15[2][3]	32768
t2_EOTEnterGainY_Uls_u1p15[3][0]	32768
t2_EOTEnterGainY_Uls_u1p15[3][1]	32768
t2_EOTEnterGainY_Uls_u1p15[3][2]	32768
t2_EOTEnterGainY_Uls_u1p15[3][3]	32768
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	983
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	983
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	983
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	983
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	983
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	983
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	983
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	983
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	5760
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	5760
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	5760
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	5760
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	5760
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	5760
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	5760
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	5760
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	983
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	983
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	983
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	983
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	983
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	983
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	983
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	983
t_EOTDmpVspd_Kph_u9p7[0]	32640
t_EOTDmpVspd_Kph_u9p7[1]	32640
t_EOTDmpVspd_Kph_u9p7[2]	32640
t_EOTDmpVspd_Kph_u9p7[3]	32640
t_EOTEnterGainVspd_Kph_u9p7[0]	32640
t_EOTEnterGainVspd_Kph_u9p7[1]	32640
t_EOTEnterGainVspd_Kph_u9p7[2]	32640
t_EOTEnterGainVspd_Kph_u9p7[3]	32640
t_SpdIptTblXTbl_HwDeg_u12p4[0]	2864
t_SpdIptTblXTbl_HwDeg_u12p4[1]	2880
t_SpdIptTblYTbl_MtrRadps_u12p4[0]	13088
t_SpdIptTblYTbl_MtrRadps_u12p4[1]	13104
t_TrqTableX_HwNm_u8p8[0]	2560
t_TrqTableX_HwNm_u8p8[1]	2560
t_TrqTblY_Uls_u2p14[0]	16
t_TrqTblY_Uls_u2p14[1]	98
target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value	0
target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value	1
target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value	1440.10999
target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value	1
target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value	1
target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value	1
target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value	1440.10999
target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value	10
target_EOTActuatorMng_Per1_MotorVel_MtrRadps_f32.value	1118
target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value	0.063000001
target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value	511.992188
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDamping	target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls	target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit_MtrNm	target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CwFound_Cnt_lgc

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Name	Input Value
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_Igc	target_EOTActuatorMng_Per1_EOTDisable_Cnt_Igc
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Uls	target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_Hwl	target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm_f	target_EOTActuatorMng_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadpS	target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_OutputRampMultLtd	target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph	target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32

Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	1.35332012	1.35332 ± 0.0000390625	✓
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	1440.10999	1440.10999 ± 0.0000390625	✓
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	2147483648	2147483648 ± 1	✓
EOTActuatorMng_FiltHWTqSV_HwNm_M_s7p24	167772160	167772160 ± 1	✓
EOTActuatorMng_OutputRampMultLtd_M_f32	0.063000001	0.063000001 ± 0.00390625	✓
EOTActuatorMng_PrevEOTGain_Uls_M_f32	1	1 ± 0.0625	✓
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED	SES_DISABLED	✓
target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value	1.35332012	1.35332 ± 0.00048828125	✓
target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value	1	1 ± 0.0000390625	✓
target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value	8.80000019	8.80000019 ± 0.00048828125	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	✓
EOTDetermination	1	EOTDetermination	1	✓
SES_DetLmtPos	1	SES_DetLmtPos	1	✓
SES_CalcExitGain	1	SES_CalcExitGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_CalcEnterGain	1	SES_CalcEnterGain	1	✓
BilinearXMYM_u16_u16XM_u16YM_Cnt	1	BilinearXMYM_u16_u16XM_u16YM_Cnt	1	✓
SES_CalcEOTGain	1	SES_CalcEOTGain	1	✓
SES_FiltEOTGain	1	SES_FiltEOTGain	1	✓
SES_CalcEOTDamp	1	SES_CalcEOTDamp	1	✓
BilinearXMYM_u16_u16XM_u16YM_Cnt	1	BilinearXMYM_u16_u16XM_u16YM_Cnt	1	✓
SES_StateCtrl	1	SES_StateCtrl	1	✓
Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	✓

Test Step 3.7 (Repeat Count = 1)	
Name	Input Value
EOTActuatorMng_Damping_MtrNm_M_f32	3.20000005
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	789
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	1009317315
EOTActuatorMng_FiltHWTqSV_HwNm_M_s7p24	23991419
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.649999976
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL
Rte_Inst_Ap_EOTActuatorMng	target_Rte_Inst_Ap_EOTActuatorMng
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0
k_EOTDefltPosition_HwDeg_u12p4	3200
k_EOTDeltaTrqThrsh_HwNm_u9p7	1152
k_EOTDynConf_Uls_u8p8	205
k_EOTEnterLPFKn_Cnt_u16	6544
k_EOTExitLPFKn_Cnt_u16	111
k_EOTImpSpdEn_Kph_u9p7	5376
k_EOTOriginalImpactandSoftEnd_Cnt_Igc	0
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32	91.6600037
k_EOTStateHwTrqLPFKn_Cnt_u16	3754
k_MaxRackTrvl_HwDeg_u12p4	1776
k_MinRackTrvl_HwDeg_u12p4	14400
k_PosRampStep_HwDeg_u12p4	10848
k_SoftStopEOTEnable_Cnt_Igc	0
k_SpdIptScale_MtrNmpRadpS_u4p12	80
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	0
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	480
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	960
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	1440
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	0
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	480
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	960
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	1440
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	0
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	480
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	960

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Name	Input Value
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	1440
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	0
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	480
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	960
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	1440
t2_EOTEnterGainY_Uls_u1p15[0][0]	0
t2_EOTEnterGainY_Uls_u1p15[0][1]	10813
t2_EOTEnterGainY_Uls_u1p15[0][2]	21627
t2_EOTEnterGainY_Uls_u1p15[0][3]	32768
t2_EOTEnterGainY_Uls_u1p15[1][0]	0
t2_EOTEnterGainY_Uls_u1p15[1][1]	10813
t2_EOTEnterGainY_Uls_u1p15[1][2]	21627
t2_EOTEnterGainY_Uls_u1p15[1][3]	32768
t2_EOTEnterGainY_Uls_u1p15[2][0]	0
t2_EOTEnterGainY_Uls_u1p15[2][1]	10813
t2_EOTEnterGainY_Uls_u1p15[2][2]	21627
t2_EOTEnterGainY_Uls_u1p15[2][3]	32768
t2_EOTEnterGainY_Uls_u1p15[3][0]	0
t2_EOTEnterGainY_Uls_u1p15[3][1]	10813
t2_EOTEnterGainY_Uls_u1p15[3][2]	21627
t2_EOTEnterGainY_Uls_u1p15[3][3]	32768
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	0
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	256
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	154
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	512
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	31
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	94
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	160
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	224
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	0
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	320
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	0
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	320
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	0
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	320
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	0
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	320
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]	0
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]	128
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]	146
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]	416
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]	31
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]	640
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]	93
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]	448
t_EOTDmpVspd_Kph_u9p7[0]	0
t_EOTDmpVspd_Kph_u9p7[1]	640
t_EOTDmpVspd_Kph_u9p7[2]	1280
t_EOTDmpVspd_Kph_u9p7[3]	2560
t_EOTEnterGainVspd_Kph_u9p7[0]	0
t_EOTEnterGainVspd_Kph_u9p7[1]	640
t_EOTEnterGainVspd_Kph_u9p7[2]	1280
t_EOTEnterGainVspd_Kph_u9p7[3]	2816
t_SpdIptTblXTbl_HwDeg_u12p4[0]	400
t_SpdIptTblXTbl_HwDeg_u12p4[1]	800
t_SpdIptTblYTbl_MtrRadpS_u12p4[0]	288
t_SpdIptTblYTbl_MtrRadpS_u12p4[1]	960
t_TrqTableX_HwNm_u8p8[0]	2304
t_TrqTableX_HwNm_u8p8[1]	2560
t_TrqTblY_Uls_u2p14[0]	32
t_TrqTblY_Uls_u2p14[1]	114
target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value	-888
target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value	1
target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value	950
target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value	1
target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value	0
target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value	0.779999971
target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value	-1440.10999
target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value	-10
target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value	-1118
target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value	0.172000006
target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value	10
target_Rte_Inst_Ap_EOTActuatorMng_Per1_AssistEOTDamping	target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32

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Name	Input Value		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls_f32	target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32	target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_lgc	target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Uls_f32	target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32	target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm_f32	target_EOTActuatorMng_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32	target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32	target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph_f32	target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	3.01668	3.01668 ± 0.0000390625	✔
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	200	200 ± 0.0000390625	✔
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	908539715	908539715 ± 1	✔
EOTActuatorMng_FiltHwTrqSV_HwNm_M_s7p24	32227695	32227695 ± 1	✔
EOTActuatorMng_OutputRampMultLtd_M_f32	0.172000006	0.172000006 ± 0.00390625	✔
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0.423065186	0.423065186 ± 0.0625	✔
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED	SES_DISABLED	✔
target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value	3.01668	3.01668 ± 0.00048828125	✔
target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value	0.423065186	0.423065186 ± 0.0000390625	✔
target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value	0	0 ± 0.00048828125	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	✓
EOTDetermination	1	EOTDetermination	1	✓
EOTOrigImpact	1	EOTOrigImpact	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_DetLmtPos	1	SES_DetLmtPos	1	✓
SES_CalcExitGain	1	SES_CalcExitGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_CalcEnterGain	1	SES_CalcEnterGain	1	✓
BilinearXYM_u16_u16XM_u16YM_Cnt	1	BilinearXYM_u16_u16XM_u16YM_Cnt	1	✓
SES_CalcEOTGain	1	SES_CalcEOTGain	1	✓
SES_FiltEOTGain	1	SES_FiltEOTGain	1	✓
SES_CalcEOTDamp	1	SES_CalcEOTDamp	1	✓
BilinearXYM_u16_u16XM_u16YM_Cnt	1	BilinearXYM_u16_u16XM_u16YM_Cnt	1	✓
SES_StateCtrl	1	SES_StateCtrl	1	✓
Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	✓

Test Step 3.8 (Repeat Count = 1)	
Name	Input Value
EOTActuatorMng_Damping_MtrNm_M_f32	5.19999981
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	789
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	0
EOTActuatorMng_FiltHwTrqSV_HwNm_M_s7p24	23991419
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL
Rte_Inst_Ap_EOTActuatorMng	target_Rte_Inst_Ap_EOTActuatorMng
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0
k_EOTDefltPosition_HwDeg_u12p4	3200
k_EOTDeltaTrqThrsh_HwNm_u9p7	1152
k_EOTDynConf_Uls_u8p8	205
k_EOTEnterLPFKn_Cnt_u16	6544
k_EOTExitLPFKn_Cnt_u16	111
k_EOTImpSpdEn_Kph_u9p7	5376
k_EOTOriginalImpactandSoftEnd_Cnt_lgc	1
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32	106.660004
k_EOTStateHwTrqLPFKn_Cnt_u16	3754
k_MaxRackTrvl_HwDeg_u12p4	1776
k_MinRackTrvl_HwDeg_u12p4	14400
k_PosRampStep_HwDeg_u12p4	10848
k_SoftStopEOTEnable_Cnt_lgc	0
k_SpdLptScale_MtrNmpRadpS_u4p12	80
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	0
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	480
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	960

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Name	Input Value
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	1440
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	0
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	480
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	960
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	1440
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	0
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	480
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	960
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	1440
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	0
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	480
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	960
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	1440
t2_EOTEnterGainY_Uls_u1p15[0][0]	0
t2_EOTEnterGainY_Uls_u1p15[0][1]	0
t2_EOTEnterGainY_Uls_u1p15[0][2]	0
t2_EOTEnterGainY_Uls_u1p15[0][3]	0
t2_EOTEnterGainY_Uls_u1p15[1][0]	0
t2_EOTEnterGainY_Uls_u1p15[1][1]	0
t2_EOTEnterGainY_Uls_u1p15[1][2]	0
t2_EOTEnterGainY_Uls_u1p15[1][3]	0
t2_EOTEnterGainY_Uls_u1p15[2][0]	0
t2_EOTEnterGainY_Uls_u1p15[2][1]	0
t2_EOTEnterGainY_Uls_u1p15[2][2]	0
t2_EOTEnterGainY_Uls_u1p15[2][3]	0
t2_EOTEnterGainY_Uls_u1p15[3][0]	0
t2_EOTEnterGainY_Uls_u1p15[3][1]	0
t2_EOTEnterGainY_Uls_u1p15[3][2]	0
t2_EOTEnterGainY_Uls_u1p15[3][3]	0
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	0
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	256
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	154
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	512
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	31
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	94
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	160
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	224
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	0
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	320
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	0
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	320
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	0
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	320
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	0
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	320
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]	0
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]	128
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]	146
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]	416
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]	31
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]	640
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]	93
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]	448
t_EOTDmpVspd_Kph_u9p7[0]	0
t_EOTDmpVspd_Kph_u9p7[1]	640
t_EOTDmpVspd_Kph_u9p7[2]	1280
t_EOTDmpVspd_Kph_u9p7[3]	2560
t_EOTEnterGainVspd_Kph_u9p7[0]	0
t_EOTEnterGainVspd_Kph_u9p7[1]	640
t_EOTEnterGainVspd_Kph_u9p7[2]	1280
t_EOTEnterGainVspd_Kph_u9p7[3]	2816
t_SpdIptTblXTbl_HwDeg_u12p4[0]	400
t_SpdIptTblXTbl_HwDeg_u12p4[1]	800
t_SpdIptTblYTbl_MtrRadpS_u12p4[0]	288
t_SpdIptTblYTbl_MtrRadpS_u12p4[1]	960
t_TrqTableX_HwNm_u8p8[0]	0
t_TrqTableX_HwNm_u8p8[1]	0
t_TrqTblY_Uls_u2p14[0]	49
t_TrqTblY_Uls_u2p14[1]	131
target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value	-888
target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value	1
target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value	950
target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value	1



# TEST DETAILS REPORT

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EOTActuatorMng\_Per1

Name	Input Value
target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value	0
target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value	0.779999971
target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value	-1440.10999
target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value	0
target_EOTActuatorMng_Per1_MotorVel_MtrRadps_f32.value	0.100000001
target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value	0.0590000004
target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value	10
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32	target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls_f32	target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32	target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CwFound_Cnt_lgc
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_lgc	target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Uls_f32	target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32	target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm_f32	target_EOTActuatorMng_Per1_HwTorque_HwNm_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadps_f32	target_EOTActuatorMng_Per1_MotorVel_MtrRadps_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32	target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph_f32	target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32

Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	4.98668003	4.98668003 ± 0.0000390625	✓
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	200	200 ± 0.0000390625	✓
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	0	0 ± 1	✓
EOTActuatorMng_FiltHWTqSV_HwNm_M_s7p24	22617455	22617455 ± 1	✓
EOTActuatorMng_OutputRampMultLtd_M_f32	0.0590000004	0.0590000004 ± 0.00390625	✓
EOTActuatorMng_PrevEOTGain_Uls_M_f32	0	0 ± 0.0625	✓
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED	SES_DISABLED	✓
target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value	4.98668003	4.98668003 ± 0.00048828125	✓
target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value	0	0 ± 0.0000390625	✓
target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value	0.349609375	0.349609375 ± 0.00048828125	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	✓
EOTDetermination	1	EOTDetermination	1	✓
EOTOrigImpact	1	EOTOrigImpact	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_DetLmtPos	1	SES_DetLmtPos	1	✓
SES_CalcExitGain	1	SES_CalcExitGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_CalcEnterGain	1	SES_CalcEnterGain	1	✓
BilinearXMYM_u16_u16XM_u16YM_Cnt	1	BilinearXMYM_u16_u16XM_u16YM_Cnt	1	✓
SES_CalcEOTGain	1	SES_CalcEOTGain	1	✓
SES_FiltEOTGain	1	SES_FiltEOTGain	1	✓
SES_CalcEOTDamp	1	SES_CalcEOTDamp	1	✓
BilinearXMYM_u16_u16XM_u16YM_Cnt	1	BilinearXMYM_u16_u16XM_u16YM_Cnt	1	✓
SES_StateCtrl	1	SES_StateCtrl	1	✓
Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	✓

## Test Step 3.9 (Repeat Count = 1)

Name	Input Value
EOTActuatorMng_Damping_MtrNm_M_f32	8.80000019
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	1440.10999
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	2147483648
EOTActuatorMng_FiltHWTqSV_HwNm_M_s7p24	167772160
EOTActuatorMng_PrevEOTGain_Uls_M_f32	1
EOTActuatorMng_SESState_Uls_M_enum	SES_EXITING
Rte_Inst_Ap_EOTActuatorMng	target_Rte_Inst_Ap_EOTActuatorMng
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0
k_EOTDefltPosition_HwDeg_u12p4	13104
k_EOTDeltaTrqThrsh_HwNm_u9p7	1280
k_EOTDynConf_Uls_u8p8	65535
k_EOTEnterLPFKn_Cnt_u16	30573
k_EOTExitLPFKn_Cnt_u16	30573
k_EOTImpSpdEn_Kph_u9p7	32640
k_EOTOriginalImpactandSoftEnd_Cnt_lgc	1
k_EOTPosDepDempFinalSlew_MtrNmps_T_f32	1200
k_EOTStateHwTrqLPFKn_Cnt_u16	30573

# TEST DETAILS REPORT

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EOTActuatorMng\_Per1

Name	Input Value
k_MaxRackTrvl_HwDeg_u12p4	23040
k_MinRackTrvl_HwDeg_u12p4	23040
k_PosRampStep_HwDeg_u12p4	13104
k_SoftStopEOTenable_Cnt_lgc	1
k_SpdIptScale_MtrNmpRadps_u4p12	1024
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	14400
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	14400
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	14400
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	14400
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	14400
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	14400
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	14400
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	14400
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	14400
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	14400
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	14400
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	14400
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	14400
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	14400
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	14400
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	14400
t2_EOTEnterGainY_Uls_u1p15[0][0]	32768
t2_EOTEnterGainY_Uls_u1p15[0][1]	32768
t2_EOTEnterGainY_Uls_u1p15[0][2]	32768
t2_EOTEnterGainY_Uls_u1p15[0][3]	32768
t2_EOTEnterGainY_Uls_u1p15[1][0]	32768
t2_EOTEnterGainY_Uls_u1p15[1][1]	32768
t2_EOTEnterGainY_Uls_u1p15[1][2]	32768
t2_EOTEnterGainY_Uls_u1p15[1][3]	32768
t2_EOTEnterGainY_Uls_u1p15[2][0]	32768
t2_EOTEnterGainY_Uls_u1p15[2][1]	32768
t2_EOTEnterGainY_Uls_u1p15[2][2]	32768
t2_EOTEnterGainY_Uls_u1p15[2][3]	32768
t2_EOTEnterGainY_Uls_u1p15[3][0]	32768
t2_EOTEnterGainY_Uls_u1p15[3][1]	32768
t2_EOTEnterGainY_Uls_u1p15[3][2]	32768
t2_EOTEnterGainY_Uls_u1p15[3][3]	32768
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	983
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	983
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	983
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	983
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	983
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	983
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	983
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	983
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	5760
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	5760
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	5760
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	5760
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	5760
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	5760
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	5760
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	5760
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	983
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	983
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	983
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	983
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	983
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	983
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	983
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	983
t_EOTDmpVspd_Kph_u9p7[0]	32640
t_EOTDmpVspd_Kph_u9p7[1]	32640
t_EOTDmpVspd_Kph_u9p7[2]	32640
t_EOTDmpVspd_Kph_u9p7[3]	32640
t_EOTEnterGainVspd_Kph_u9p7[0]	32640
t_EOTEnterGainVspd_Kph_u9p7[1]	32640
t_EOTEnterGainVspd_Kph_u9p7[2]	32640
t_EOTEnterGainVspd_Kph_u9p7[3]	32640
t_SpdIptTblXTbl_HwDeg_u12p4[0]	2880
t_SpdIptTblXTbl_HwDeg_u12p4[1]	2880
t_SpdIptTblYTbl_MtrRadps_u12p4[0]	65520
t_SpdIptTblYTbl_MtrRadps_u12p4[1]	65520

# TEST DETAILS REPORT

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EOTActuatorMng\_Per1

Name	Input Value		
t_TrqTableX_HwNm_u8p8[0]	2560		
t_TrqTableX_HwNm_u8p8[1]	2560		
t_TrqTblY_Uls_u2p14[0]	16384		
t_TrqTblY_Uls_u2p14[1]	16384		
target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32.value	0		
target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc.value	1		
target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32.value	1440.10999		
target_EOTActuatorMng_Per1_CwFound_Cnt_lgc.value	1		
target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc.value	1		
target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32.value	1		
target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32.value	1440.10999		
target_EOTActuatorMng_Per1_HwTorque_HwNm_f32.value	10		
target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32.value	1350		
target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32.value	0.912999988		
target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32.value	511.992188		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTDamping	target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTGain_Uls	target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_AssistEOTLimit_MtrNm	target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CcwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CcwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CcwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwEOT_HwDeg_f32	target_EOTActuatorMng_Per1_CwEOT_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_CwFound_Cnt_lgc	target_EOTActuatorMng_Per1_CwFound_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_EOTDisable_Cnt_lgc	target_EOTActuatorMng_Per1_EOTDisable_Cnt_lgc		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelAuth_Uls	target_EOTActuatorMng_Per1_HandWheelAuth_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HandWheelPos_HwDeg	target_EOTActuatorMng_Per1_HandWheelPos_HwDeg_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_HwTorque_HwNm_f	target_EOTActuatorMng_Per1_HwTorque_HwNm_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_MotorVel_MtrRadpS	target_EOTActuatorMng_Per1_MotorVel_MtrRadpS_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_OutputRampMultLtd	target_EOTActuatorMng_Per1_OutputRampMultLtd_Uls_f32		
target_Rte_Inst_Ap_EOTActuatorMng.EOTActuatorMng_Per1_VehicleSpeed_Kph	target_EOTActuatorMng_Per1_VehicleSpeed_Kph_f32		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	11.2000008	11.1999998 ± 0.0000390625	✓
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	1440.10999	1440.10999 ± 0.0000390625	✓
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	2147483648	2147483648 ± 1	✓
EOTActuatorMng_FiltHwTrqSV_HwNm_M_s7p24	167772160	167772160 ± 1	✓
EOTActuatorMng_OutputRampMultLtd_M_f32	0.912999988	0.912999988 ± 0.00390625	✓
EOTActuatorMng_PrevEOTGain_Uls_M_f32	1	1 ± 0.0625	✓
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED	SES_DISABLED	✓
target_EOTActuatorMng_Per1_AssistEOTDamping_MtrNm_f32.value	8.80000019	8.80000019 ± 0.00048828125	✓
target_EOTActuatorMng_Per1_AssistEOTGain_Uls_f32.value	1	1 ± 0.0000390625	✓
target_EOTActuatorMng_Per1_AssistEOTLimit_MtrNm_f32.value	8.80000019	8.80000019 ± 0.00048828125	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP0_CheckpointReached	1	✓
EOTDetermination	1	EOTDetermination	1	✓
SES_DetLmtPos	1	SES_DetLmtPos	1	✓
SES_CalcExitGain	1	SES_CalcExitGain	1	✓
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓
SES_CalcEnterGain	1	SES_CalcEnterGain	1	✓
BilinearXMYM_u16_u16XM_u16YM_Cnt	1	BilinearXMYM_u16_u16XM_u16YM_Cnt	1	✓
SES_CalcEOTGain	1	SES_CalcEOTGain	1	✓
SES_FiltEOTGain	1	SES_FiltEOTGain	1	✓
SES_CalcEOTDamp	1	SES_CalcEOTDamp	1	✓
BilinearXMYM_u16_u16XM_u16YM_Cnt	1	BilinearXMYM_u16_u16XM_u16YM_Cnt	1	✓
SES_StateCtrl	1	SES_StateCtrl	1	✓
Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	Rte_Call_EOTActuatorMng_Per1_CP1_CheckpointReached	1	✓

# TEST DETAILS REPORT

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SES\_CalcEOTDamp



Project	EOTActuatorMng
Module	EOTActuatorMng
Test Object	SES_CalcEOTDamp

## Instrumentation: Test Object Only

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

## Statistics

Total Testcases	3
Successful	3 ✓
Failed	0
Not Executed	0

## Module Properties

Project Root Directory	D:\Synergy_Work_Area\CBD_EOTActuatorMng\EOTActuatorMng
Configuration File	D:\Synergy_Work_Area\CBD_EOTActuatorMng\EOTActuatorMng\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)\NxtLib\src\interpolation.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -I\$(PROJECTROOT)\NxtLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\utp\contract\Ap_EOTActuatorMng -I\$(PROJECTROOT)\utp\contract -I\$(Compiler Install Path)\include
File	\$(PROJECTROOT)\src\Ap_EOTActuatorMng.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -I\$(PROJECTROOT)\NxtLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\utp\contract\Ap_EOTActuatorMng -I\$(PROJECTROOT)\utp\contract -I\$(Compiler Install Path)\include

## Comments/Description/Specification

Name	Text
Module 'EOTActuatorMng'	/*****Unit Test Description*****/ Name of Tester:Priti Manglekar Code File(s) Under Test:Ap_EOTActuatorMng.c Code File(s) Version:19 Module Design Document:End_of_Travel_Actuator_Management_MDD.docx Module Design Document Version:25 Data Dictionary Version:21 Unit Test Plan Version:11 Optimization Level:Level 2 Compiler (CodeGen) Version:TMS470_4.9.5 Model Type:Excel Macro Model Version:Nexteer EPS Unit Test Tool 2.7d/EPS Library 1.32 Total FLASH Used (Bytes):2914 Total RAM Used (Bytes):54 Total CALS Used (Bytes):170 Special Test Requirements: Test Date:6/29/2015 Comments:"NOTE 1: Inline functions defined in GlobalMacro.h are not untested. NOTE 2: ""CBD_Sandbox_dbg.map"" is embedded for reference." /*****

## Attributes

Name	Value
Compiler Install Path	\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5
Float Precision	9
InitObjDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj
InitSrcDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd
Makefile Template	\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570.tpl
Target Install Path	\$(ProgramFiles)\pls\UDE 3.2
Time Unit	Cycles

# TEST DETAILS REPORT

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SES\_CalcEOTDamp



Attributes	
Name	Value
Timer Enabled	false
Timer Prescale	0
Timer Resolution	1
UDE Config File	\$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg
Workspace File	D:\Synergy_Work_Area\CBD_EOTActuatorMng\EOTActuatorMng\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

# TEST DETAILS REPORT

SES\_CalcEOTDamp

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## Test Case 1: Metrics Test

<b>Specification</b>	Performance Metrics (With "None" Instrumentation and WithPS Environment) CPU Cycles:  TS1.1 46 cycles TS1.2 541 cycles
<b>Description</b>	Vector Description  TS1.1"Shortest Execution Path: (SESState_Uls_M_enum = SES_DISABLED)=True" TS1.2"Longest Execution Path: (HandWheelPos4_HwDeg_T_f32 < D_ZERO_ULS_F32)=True and (SESState_Uls_M_enum = SES_EXITING)=False"

### Test Step 1.1 (Repeat Count = 1)

Name	Input Value		
CcwEOT_HwDeg_T_f32	-555.299988		
CwEOT_HwDeg_T_f32	777.799988		
EOTActuatorMng_Damping_MtrNm_M_f32	-8.80000019		
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED		
HandWheelPos_HwDeg_T_f32	-1100.30005		
MotorVel_MtrRadpS_T_f32	770.700012		
VehicleSpeed_Kph_T_f32	188.300003		
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32	0		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	0		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	256		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	154		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	512		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	94		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	305		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	160		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	224		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	320		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	0		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	560		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	720		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	1760		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	3520		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	5600		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	4800		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]	0		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]	128		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]	146		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]	416		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]	305		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]	640		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]	93		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]	448		
t_EOTDmpVspd_Kph_u9p7[0]	0		
t_EOTDmpVspd_Kph_u9p7[1]	640		
t_EOTDmpVspd_Kph_u9p7[2]	1280		
t_EOTDmpVspd_Kph_u9p7[3]	2560		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	-8.80000019	-8.80000019 ± 0.0000390625	✔
SES_CalcEOTDamp()	-8.80000019	-8.80000019	✔

### 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
CwEOT_HwDeg_T_f32	0
CwEOT_HwDeg_T_f32	0
EOTActuatorMng_Damping_MtrNm_M_f32	8.80000019
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL
HandWheelPos_HwDeg_T_f32	-400.399994
MotorVel_MtrRadps_T_f32	805.200012
VehicleSpeed_Kph_T_f32	111.699997

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Name	Input Value		
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32	1200		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	0		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	256		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	154		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	512		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	94		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	305		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	160		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	224		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	0		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	16		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	32		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	64		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	48		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	80		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	96		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	112		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]	0		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]	128		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]	146		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]	416		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]	305		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]	640		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]	93		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]	448		
t_EOTDmpVspd_Kph_u9p7[0]	0		
t_EOTDmpVspd_Kph_u9p7[1]	640		
t_EOTDmpVspd_Kph_u9p7[2]	1280		
t_EOTDmpVspd_Kph_u9p7[3]	2560		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	6.4000001	6.4000001 ± 0.0000390625	✔
SES_CalcEOTDamp()	6.4000001	6.4000001	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
BilinearXMYM_u16_u16XMu16YM_Cnt	1	BilinearXMYM_u16_u16XMu16YM_Cnt	1	✓



## Test Case 2: Boundary Test

Specification	Performance Metrics (With "None" Instrumentation and WithPS Environment) CPU Cycles:  TS2.1 454 cycles TS2.2 455 cycles TS2.3 454 cycles TS2.4 540 cycles TS2.5 542 cycles TS2.6 555 cycles TS2.7 555 cycles TS2.8 459 cycles TS2.9 470 cycles TS2.10 555 cycles TS2.11 555 cycles TS2.12 470 cycles TS2.13 470 cycles TS2.14 470 cycles TS2.15 553 cycles TS2.16 470 cycles TS2.17 553 cycles TS2.18 470 cycles TS2.19 470 cycles TS2.20 470 cycles TS2.21 59 cycles TS2.22 554 cycles TS2.23 469 cycles TS2.24 467 cycles TS2.25 555 cycles TS2.26 541 cycles TS2.27 555 cycles TS2.28 470 cycles TS2.29 555 cycles TS2.30 470 cycles TS2.31 470 cycles TS2.32 555 cycles TS2.33 470 cycles TS2.34 538 cycles TS2.35 468 cycles TS2.36 554 cycles TS2.37 539 cycles TS2.38 468 cycles TS2.39 554 cycles TS2.40 555 cycles TS2.41 539 cycles TS2.42 469 cycles TS2.43 543 cycles TS2.44 454 cycles TS2.45 553 cycles TS2.46 46 cycles TS2.47 469 cycles
Description	Vector Description  TS2.1CwEOT2_HwDeg_T_f32 min TS2.2CwEOT2_HwDeg_T_f32 max TS2.3CwEOT2_HwDeg_T_f32 pos TS2.4CwEOT2_HwDeg_T_f32 min TS2.5CwEOT2_HwDeg_T_f32 max TS2.6CwEOT2_HwDeg_T_f32 mid TS2.7CwEOT2_HwDeg_T_f32 neg TS2.8VehicleSpeed1_Kph_T_f32 min TS2.9VehicleSpeed1_Kph_T_f32 max TS2.10VehicleSpeed1_Kph_T_f32 pos TS2.11HandWheelPos4_HwDeg_T_f32 min TS2.12HandWheelPos4_HwDeg_T_f32 max TS2.13HandWheelPos4_HwDeg_T_f32 zero TS2.14HandWheelPos4_HwDeg_T_f32 pos TS2.15HandWheelPos4_HwDeg_T_f32 neg TS2.16MotorVel_MtrRadps1_T_f32 min TS2.17MotorVel_MtrRadps1_T_f32 max TS2.18MotorVel_MtrRadps1_T_f32 zero TS2.19MotorVel_MtrRadps1_T_f32 pos TS2.20MotorVel_MtrRadps1_T_f32 pos TS2.21SESState_Uls_M_enum min TS2.22SESState_Uls_M_enum =1 TS2.23SESState_Uls_M_enum =2 TS2.24SESState_Uls_M_enum max TS2.25t2_EOTPosDepDmpTblX_HwDeg_u12p4[2] min TS2.26t2_EOTPosDepDmpTblX_HwDeg_u12p4[2] max TS2.27t2_EOTPosDepDmpTblX_HwDeg_u12p4[2] mid TS2.28t_EOTDmpVspd_Kph_u9p7[4] min TS2.29t_EOTDmpVspd_Kph_u9p7[4] max TS2.30t_EOTDmpVspd_Kph_u9p7[4] mid TS2.31t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[2] min TS2.32t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[2] max TS2.33t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[2] mid TS2.34t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2] min TS2.35t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2] max TS2.36t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2] mid TS2.37k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32 min TS2.38k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32 max TS2.39k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32 pos/default TS2.40k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32 mid TS2.41EOTActuatorMng_Damping_MtrNm_M_f32 min TS2.42EOTActuatorMng_Damping_MtrNm_M_f32 max TS2.43EOTActuatorMng_Damping_MtrNm_M_f32 0 TS2.44EOTActuatorMng_Damping_MtrNm_M_f32 neg TS2.45EOTActuatorMng_Damping_MtrNm_M_f32 pos TS2.46All min TS2.47All max

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SES\_CalcEOTDamp



Test Step 2.1 (Repeat Count = 1)				
Name	Input Value			
CwEOT_HwDeg_T_f32	-1100.43994			
CwEOT_HwDeg_T_f32	0			
EOTActuatorMng_Damping_MtrNm_M_f32	-8.80000019			
EOTActuatorMng_SESSState_Uls_M_enum	SES_ENTERING			
HandWheelPos_HwDeg_T_f32	400.365997			
MotorVel_MtrRadps_T_f32	805.580017			
VehicleSpeed_Kph_T_f32	100.457001			
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32	0			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	76			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	108			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	77			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	108			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	77			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	108			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	32			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	44			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	64			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	112			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	80			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	160			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	112			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	114			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	114			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	1920			
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	1			
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	44			
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	37			
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	194			
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	62			
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	87			
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	10			
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	452			
t_EOTDmpVspd_Kph_u9p7[0]	0			
t_EOTDmpVspd_Kph_u9p7[1]	640			
t_EOTDmpVspd_Kph_u9p7[2]	1408			
t_EOTDmpVspd_Kph_u9p7[3]	2560			
Name	Actual Value	Expected Value	Result	
EOTActuatorMng_Damping_MtrNm_M_f32	-8.80000019	-8.80000019 ± 0.0000390625	✓	
SES_CalcEOTDamp()	-8.80000019	-8.80000019	✓	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
BilinearXYM_u16_u16XMu16YM_Cnt	1	BilinearXYM_u16_u16XMu16YM_Cnt	1	✓

Test Step 2.2 (Repeat Count = 1)	
Name	Input Value
CwEOT_HwDeg_T_f32	-1200.55005
CwEOT_HwDeg_T_f32	1440.10999
EOTActuatorMng_Damping_MtrNm_M_f32	-6.4000001
EOTActuatorMng_SESSState_Uls_M_enum	SES_ENTERING
HandWheelPos_HwDeg_T_f32	700.156982
MotorVel_MtrRadps_T_f32	705.257996
VehicleSpeed_Kph_T_f32	200.240997
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32	1.00999999
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	16
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	22
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	92
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	130
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	92
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	130
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	16
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	22
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	48
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	96
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	480
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1136
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	656
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	1040

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Name	Input Value		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	672		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	4032		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]	16		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]	22		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]	153		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]	216		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]	77		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]	108		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]	52		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]	68		
t_EOTDmpVspd_Kph_u9p7[0]	1280		
t_EOTDmpVspd_Kph_u9p7[1]	2560		
t_EOTDmpVspd_Kph_u9p7[2]	3840		
t_EOTDmpVspd_Kph_u9p7[3]	5120		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	-6.39798021	-6.39798021 ± 0.0000390625	✓
SES_CalcEOTDamp()	-6.39798021	-6.39798021	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
BilinearXMYM_u16_u16XMu16YM_Cnt	1	BilinearXMYM_u16_u16XMu16YM_Cnt	1	✓

Test Step 2.3 (Repeat Count = 1)				
Name		Input Value		
CcwEOT_HwDeg_T_f32		-1300.43994		
CwEOT_HwDeg_T_f32		1000.09998		
EOTActuatorMng_Damping_MtrNm_M_f32		-4		
EOTActuatorMng_SESSState_Uls_M_enum		SES_NORMAL		
HandWheelPos_HwDeg_T_f32		500.005005		
MotorVel_MtrRadpS_T_f32		605.812012		
VehicleSpeed_Kph_T_f32		300.54599		
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32		11.0200005		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]		32		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]		44		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]		16		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]		22		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]		4		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]		26		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]		62		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]		87		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]		80		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]		112		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]		512		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]		1152		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]		672		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]		1056		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]		704		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]		4048		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]		32		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]		44		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]		12		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]		88		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]		92		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]		130		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]		99		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]		698		
t_EOTDmpVspd_Kph_u9p7[0]		6400		
t_EOTDmpVspd_Kph_u9p7[1]		7680		
t_EOTDmpVspd_Kph_u9p7[2]		8960		
t_EOTDmpVspd_Kph_u9p7[3]		10240		
Name		Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32		-3.97796011	-3.97796011 ± 0.0000390625	
SES_CalcEOTDamp()		-3.97796011	-3.97796011	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
BilinearXMYM_u16_u16XMu16YM_Cnt	1	BilinearXMYM_u16_u16XMu16YM_Cnt	1	✓

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SES\_CalcEOTDamp

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Test Step 2.4 (Repeat Count = 1)				
Name	Input Value			
CwEOT_HwDeg_T_f32	-1440.10999			
CwEOT_HwDeg_T_f32	900.122986			
EOTActuatorMng_Damping_MtrNm_M_f32	-1.60000002			
EOTActuatorMng_SESState_Uls_M_enum	SES_ENTERING			
HandWheelPos_HwDeg_T_f32	-600.005981			
MotorVel_MtrRadps_T_f32	305.164001			
VehicleSpeed_Kph_T_f32	150.985992			
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32	21.0300007			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	76			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	108			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	122			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	173			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	122			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	173			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	77			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	108			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	112			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	128			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	544			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1168			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	688			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	1072			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	784			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	4064			
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	1			
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	11			
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	183			
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	259			
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	102			
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	452			
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	4			
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	713			
t_EOTDmpVspd_Kph_u9p7[0]	11520			
t_EOTDmpVspd_Kph_u9p7[1]	12800			
t_EOTDmpVspd_Kph_u9p7[2]	14080			
t_EOTDmpVspd_Kph_u9p7[3]	15360			
Name	Actual Value	Expected Value	Result	
EOTActuatorMng_Damping_MtrNm_M_f32	-1.55794001	-1.55794001 ± 0.0000390625	✓	
SES_CalcEOTDamp()	-1.55794001	-1.55794001	✓	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
BilinearXYM_u16_u16XMu16YM_Cnt	1	BilinearXYM_u16_u16XMu16YM_Cnt	1	✓

Test Step 2.5 (Repeat Count = 1)	
Name	Input Value
CwEOT_HwDeg_T_f32	0
CwEOT_HwDeg_T_f32	800.528015
EOTActuatorMng_Damping_MtrNm_M_f32	0.800000012
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL
HandWheelPos_HwDeg_T_f32	-750.057007
MotorVel_MtrRadps_T_f32	205.283997
VehicleSpeed_Kph_T_f32	250.356003
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32	31.0400009
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	62
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	87
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	137
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	194
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	137
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	194
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	92
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	130
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	144
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	304
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	576
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1184
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	704

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Name	Input Value		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	1088		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	768		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	4080		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]	62		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]	87		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]	198		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]	280		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]	122		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]	173		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]	103		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]	728		
t_EOTDmpVspd_Kph_u9p7[0]	0		
t_EOTDmpVspd_Kph_u9p7[1]	768		
t_EOTDmpVspd_Kph_u9p7[2]	1280		
t_EOTDmpVspd_Kph_u9p7[3]	2816		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	0.862080038	0.862079978 ± 0.0000390625	✔
SES_CalcEOTDamp()	0.862080038	0.862079978	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
BilinearXYM_u16_u16XMu16YM_Cnt	1	BilinearXYM_u16_u16XMu16YM_Cnt	1	✓

Test Step 2.6 (Repeat Count = 1)				
Name		Input Value		
CcwEOT_HwDeg_T_f32		-1000.09998		
CwEOT_HwDeg_T_f32		700.314026		
EOTActuatorMng_Damping_MtrNm_M_f32		3.20000005		
EOTActuatorMng_SESSState_Uls_M_enum		SES_ENTERING		
HandWheelPos_HwDeg_T_f32		-850.057983		
MotorVel_MtrRadpS_T_f32		105.051003		
VehicleSpeed_Kph_T_f32		350.368988		
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32		41.0499992		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]		77		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]		108		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]		153		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]		216		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]		153		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]		216		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]		107		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]		151		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]		128		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]		160		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]		608		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]		1200		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]		720		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]		1104		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]		800		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]		4096		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]		77		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]		108		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]		213		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]		302		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]		137		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]		194		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]		74		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]		105		
t_EOTDmpVspd_Kph_u9p7[0]		1280		
t_EOTDmpVspd_Kph_u9p7[1]		2688		
t_EOTDmpVspd_Kph_u9p7[2]		3840		
t_EOTDmpVspd_Kph_u9p7[3]		5248		
Name	Actual Value	Expected Value	Result	
EOTActuatorMng_Damping_MtrNm_M_f32	3.11790013	3.11789989 ± 0.0000390625	✔	
SES_CalcEOTDamp()	3.11790013	3.11789989	✔	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
BilinearXYM_u16_u16XMu16YM_Cnt	1	BilinearXYM_u16_u16XMu16YM_Cnt	1	✓

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Test Step 2.7 (Repeat Count = 1)				
Name	Input Value			
CwEOT_HwDeg_T_f32	-900			
CwEOT_HwDeg_T_f32	600.984985			
EOTActuatorMng_Damping_MtrNm_M_f32	5.5999999			
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL			
HandWheelPos_HwDeg_T_f32	-800.007996			
MotorVel_MtrRadps_T_f32	110.011002			
VehicleSpeed_Kph_T_f32	450.341003			
k_EOTPosDepDmpFinalSlew_MtrNmpS_T_f32	51.0600014			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	92			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	130			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	168			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	237			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	168			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	237			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	122			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	173			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	112			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	176			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	640			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1216			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	736			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	1120			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	832			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	4112			
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	92			
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	130			
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	228			
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	323			
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	153			
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	216			
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	76			
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	108			
t_EOTDmpVspd_Kph_u9p7[0]	6400			
t_EOTDmpVspd_Kph_u9p7[1]	7680			
t_EOTDmpVspd_Kph_u9p7[2]	9216			
t_EOTDmpVspd_Kph_u9p7[3]	10368			
Name	Actual Value	Expected Value	Result	
EOTActuatorMng_Damping_MtrNm_M_f32	5.49787998	5.49787998 ± 0.0000390625	✓	
SES_CalcEOTDamp()	5.49787998	5.49787998	✓	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
BilinearXMYM_u16_u16XMu16YM_Cnt	1	BilinearXMYM_u16_u16XMu16YM_Cnt	1	✓

Test Step 2.8 (Repeat Count = 1)		
Name	Input Value	
CcwEOT_HwDeg_T_f32	-850.539978	
CwEOT_HwDeg_T_f32	111.454002	
EOTActuatorMng_Damping_MtrNm_M_f32	0	
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL	
HandWheelPos_HwDeg_T_f32	850.057983	
MotorVel_MtrRadps_T_f32	111.220001	
VehicleSpeed_Kph_T_f32	0	
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32	61.0699997	
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	107	
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	151	
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	183	
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	259	
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	183	
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	259	
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	137	
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	194	
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	96	
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	192	
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	672	
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1232	
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	752	

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Name	Input Value		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	1136		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	864		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	4128		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]	107		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]	151		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]	243		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]	345		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]	168		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]	237		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]	77		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]	110		
t_EOTDmpVspd_Kph_u9p7[0]	11520		
t_EOTDmpVspd_Kph_u9p7[1]	13056		
t_EOTDmpVspd_Kph_u9p7[2]	14208		
t_EOTDmpVspd_Kph_u9p7[3]	19200		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	0.122140005	0.122139998 ± 0.0000390625	✔
SES_CalcEOTDamp()	0.122140005	0.122139998	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
BilinearXYM_u16_u16XMu16YM_Cnt	1	BilinearXYM_u16_u16XMu16YM_Cnt	1	✓

Test Step 2.9 (Repeat Count = 1)				
Name		Input Value		
CcwEOT_HwDeg_T_f32		-800.349976		
CwEOT_HwDeg_T_f32		500.851013		
EOTActuatorMng_Damping_MtrNm_M_f32		1.20000005		
EOTActuatorMng_SESSState_Uls_M_enum		SES_ENTERING		
HandWheelPos_HwDeg_T_f32		900.008972		
MotorVel_MtrRadps_T_f32		220.011002		
VehicleSpeed_Kph_T_f32		511.992188		
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32		71.0800018		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]		122		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]		173		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]		198		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]		280		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]		198		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]		280		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]		153		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]		216		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]		80		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]		208		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]		704		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]		1248		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]		768		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]		1152		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]		896		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]		4144		
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]		122		
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]		173		
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]		259		
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]		366		
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]		183		
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]		259		
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]		112		
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]		788		
t_EOTDmpVspd_Kph_u9p7[0]		0		
t_EOTDmpVspd_Kph_u9p7[1]		512		
t_EOTDmpVspd_Kph_u9p7[2]		1280		
t_EOTDmpVspd_Kph_u9p7[3]		2944		
Name	Actual Value	Expected Value	Result	
EOTActuatorMng_Damping_MtrNm_M_f32	1.34216011	1.34215999 ± 0.0000390625	✔	
SES_CalcEOTDamp()	1.34216011	1.34215999	✔	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
BilinearXYM_u16_u16XMu16YM_Cnt	1	BilinearXYM_u16_u16XMu16YM_Cnt	1	✓



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SES\_CalcEOTDamp

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## Test Step 2.10 (Repeat Count = 1)

Name	Input Value		
CcwEOT_HwDeg_T_f32	-700.609985		
CwEOT_HwDeg_T_f32	400.354004		
EOTActuatorMng_Damping_MtrNm_M_f32	1.39999998		
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL		
HandWheelPos_HwDeg_T_f32	-1000.01001		
MotorVel_MtrRadpS_T_f32	330.984985		
VehicleSpeed_Kph_T_f32	350.100006		
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32	81.0899963		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	137		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	194		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	213		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	302		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	213		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	302		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	168		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	237		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	64		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	224		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	736		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1264		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	784		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	1168		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	928		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	4160		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]	137		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]	194		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]	274		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]	388		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]	198		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]	280		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]	114		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]	804		
t_EOTDmpVspd_Kph_u9p7[0]	1280		
t_EOTDmpVspd_Kph_u9p7[1]	2816		
t_EOTDmpVspd_Kph_u9p7[2]	3840		
t_EOTDmpVspd_Kph_u9p7[3]	5760		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	1.56218004	1.56218004 ± 0.0000390625	✓
SES_CalcEOTDamp()	1.56218004	1.56218004	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
BilinearXMYM_u16_u16XMu16YM_Cnt	1	BilinearXMYM_u16_u16XMu16YM_Cnt	1	✓

## Test Step 2.11 (Repeat Count = 1)

Name	Input Value
CwEOT_HwDeg_T_f32	-600.780029
CwEOT_HwDeg_T_f32	300.783997
EOTActuatorMng_Damping_MtrNm_M_f32	1.60000002
EOTActuatorMng_SESState_Uls_M_enum	SES_ENTERING
HandWheelPos_HwDeg_T_f32	-1440.10999
MotorVel_MtrRadps_T_f32	354.846985
VehicleSpeed_Kph_T_f32	160.311996
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32	91.0999985
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	153
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	216
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	228
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	323
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	228
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	323
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	183
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	259
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	48
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	240
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	768
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1280
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	800

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Name	Input Value		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	1184		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	800		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	4176		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]	153		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]	216		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]	289		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]	409		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]	213		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]	302		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]	116		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]	819		
t_EOTDmpVspd_Kph_u9p7[0]	6400		
t_EOTDmpVspd_Kph_u9p7[1]	7680		
t_EOTDmpVspd_Kph_u9p7[2]	8960		
t_EOTDmpVspd_Kph_u9p7[3]	10240		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	1.78219998	1.78219998 ± 0.0000390625	✔
SES_CalcEOTDamp()	1.78219998	1.78219998	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
BilinearXYM_u16_u16XMu16YM_Cnt	1	BilinearXYM_u16_u16XMu16YM_Cnt	1	✓

Test Step 2.12 (Repeat Count = 1)				
Name		Input Value		
CcwEOT_HwDeg_T_f32		-500.410004		
CwEOT_HwDeg_T_f32		750.125977		
EOTActuatorMng_Damping_MtrNm_M_f32		1.79999995		
EOTActuatorMng_SESState_Uls_M_enum		SES_NORMAL		
HandWheelPos_HwDeg_T_f32		1440.10999		
MotorVel_MtrRadps_T_f32		440.958008		
VehicleSpeed_Kph_T_f32		260.450989		
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32		101.110001		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]		168		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]		237		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]		243		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]		345		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]		243		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]		345		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]		198		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]		280		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]		32		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]		256		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]		800		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]		1296		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]		816		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]		1200		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]		816		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]		4192		
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]		168		
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]		237		
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]		304		
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]		431		
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]		228		
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]		323		
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]		528		
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]		834		
t_EOTDmpVspd_Kph_u9p7[0]		11520		
t_EOTDmpVspd_Kph_u9p7[1]		15360		
t_EOTDmpVspd_Kph_u9p7[2]		14080		
t_EOTDmpVspd_Kph_u9p7[3]		16000		
Name	Actual Value	Expected Value	Result	
EOTActuatorMng_Damping_MtrNm_M_f32	2.00221992	2.00221992 ± 0.0000390625	✔	
SES_CalcEOTDamp()	2.00221992	2.00221992	✔	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
BilinearXYM_u16_u16XMu16YM_Cnt	1	BilinearXYM_u16_u16XMu16YM_Cnt	1	✓

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Test Step 2.13 (Repeat Count = 1)				
Name	Input Value			
CwEOT_HwDeg_T_f32	-400.540009			
CwEOT_HwDeg_T_f32	850.351013			
EOTActuatorMng_Damping_MtrNm_M_f32	2			
EOTActuatorMng_SESState_Uls_M_enum	SES_ENTERING			
HandWheelPos_HwDeg_T_f32	0			
MotorVel_MtrRadps_T_f32	477.653992			
VehicleSpeed_Kph_T_f32	360.156006			
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32	111.120003			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	183			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	259			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	259			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	366			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	259			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	366			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	213			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	302			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	16			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	272			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	832			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1312			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	832			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	1216			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	864			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	4208			
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	183			
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	259			
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	319			
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	452			
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	243			
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	345			
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	549			
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	849			
t_EOTDmpVspd_Kph_u9p7[0]	0			
t_EOTDmpVspd_Kph_u9p7[1]	640			
t_EOTDmpVspd_Kph_u9p7[2]	1280			
t_EOTDmpVspd_Kph_u9p7[3]	2560			
Name	Actual Value	Expected Value	Result	
EOTActuatorMng_Damping_MtrNm_M_f32	2.22223997	2.22223997 ± 0.0000390625	✓	
SES_CalcEOTDamp()	2.22223997	2.22223997	✓	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
BilinearXMYM_u16_u16XMu16YM_Cnt	1	BilinearXMYM_u16_u16XMu16YM_Cnt	1	✓

Test Step 2.14 (Repeat Count = 1)				
Name	Input Value			
CwEOT_HwDeg_T_f32	-300.140015			
CwEOT_HwDeg_T_f32	950.215027			
EOTActuatorMng_Damping_MtrNm_M_f32	2.20000005			
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL			
HandWheelPos_HwDeg_T_f32	300.100006			
MotorVel_MtrRadps_T_f32	550.325012			
VehicleSpeed_Kph_T_f32	460.851013			
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32	121.129997			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	198			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	280			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	274			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	388			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	274			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	388			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	228			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	323			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	0			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	288			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	864			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1328			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	848			

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Name	Input Value		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	1232		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	896		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	4224		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]	198		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]	280		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]	334		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]	474		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]	259		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]	366		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]	86		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]	571		
t_EOTDmpVspd_Kph_u9p7[0]	1280		
t_EOTDmpVspd_Kph_u9p7[1]	2816		
t_EOTDmpVspd_Kph_u9p7[2]	3840		
t_EOTDmpVspd_Kph_u9p7[3]	5632		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	1.95774007	1.95773995 ± 0.0000390625	✔
SES_CalcEOTDamp()	1.95774007	1.95773995	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
BilinearXYM_u16_u16XMu16YM_Cnt	1	BilinearXYM_u16_u16XMu16YM_Cnt	1	✓

Test Step 2.15 (Repeat Count = 1)				
Name		Input Value		
CcwEOT_HwDeg_T_f32		-200.25		
CwEOT_HwDeg_T_f32		350.240997		
EOTActuatorMng_Damping_MtrNm_M_f32		2.4000001		
EOTActuatorMng_SESSState_Uls_M_enum		SES_ENTERING		
HandWheelPos_HwDeg_T_f32		-300.100006		
MotorVel_MtrRadpS_T_f32		744.851013		
VehicleSpeed_Kph_T_f32		70.4779968		
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32		131.139999		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]		213		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]		302		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]		289		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]		409		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]		289		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]		409		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]		243		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]		345		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]		144		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]		304		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]		896		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]		1344		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]		864		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]		1248		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]		928		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]		4240		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]		213		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]		302		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]		349		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]		495		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]		274		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]		388		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]		88		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]		592		
t_EOTDmpVspd_Kph_u9p7[0]		6400		
t_EOTDmpVspd_Kph_u9p7[1]		7680		
t_EOTDmpVspd_Kph_u9p7[2]		8960		
t_EOTDmpVspd_Kph_u9p7[3]		10240		
Name	Actual Value	Expected Value	Result	
EOTActuatorMng_Damping_MtrNm_M_f32	2.66228008	2.66228008 ± 0.0000390625	✔	
SES_CalcEOTDamp()	2.66228008	2.66228008	✔	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
BilinearXYM_u16_u16XMu16YM_Cnt	1	BilinearXYM_u16_u16XMu16YM_Cnt	1	✓

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SES\_CalcEOTDamp

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## Test Step 2.16 (Repeat Count = 1)

Name	Input Value		
CcwEOT_HwDeg_T_f32	-100.019997		
CwEOT_HwDeg_T_f32	520.202026		
EOTActuatorMng_Damping_MtrNm_M_f32	2.5999999		
EOTActuatorMng_SESSState_Uls_M_enum	SES_NORMAL		
HandWheelPos_HwDeg_T_f32	1300.01294		
MotorVel_MtrRadpS_T_f32	-1118		
VehicleSpeed_Kph_T_f32	170.248001		
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32	141.149994		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	228		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	323		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	304		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	431		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	304		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	431		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	259		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	366		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	128		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	320		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	928		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1360		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	880		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	1264		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	800		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	4256		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]	228		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]	323		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]	365		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]	517		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]	289		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]	409		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]	614		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]	894		
t_EOTDmpVspd_Kph_u9p7[0]	11520		
t_EOTDmpVspd_Kph_u9p7[1]	12928		
t_EOTDmpVspd_Kph_u9p7[2]	14080		
t_EOTDmpVspd_Kph_u9p7[3]	16000		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	2.31769991	2.31769991 ± 0.0000390625	✓
SES_CalcEOTDamp()	2.31769991	2.31769991	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
BilinearXMYM_u16_u16XMu16YM_Cnt	1	BilinearXMYM_u16_u16XMu16YM_Cnt	1	✓

## Test Step 2.17 (Repeat Count = 1)

Name	Input Value
CwEOT_HwDeg_T_f32	-150.009995
CwEOT_HwDeg_T_f32	350.324005
EOTActuatorMng_Damping_MtrNm_M_f32	2.79999995
EOTActuatorMng_SESSState_Uls_M_enum	SES_ENTERING
HandWheelPos_HwDeg_T_f32	-1300.30103
MotorVel_MtrRadps_T_f32	1118
VehicleSpeed_Kph_T_f32	270.653992
k_EOTPosDepDmpFinalSlew_MtrNmpS_T_f32	151.160004
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	243
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	345
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	319
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	452
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	319
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	452
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	274
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	388
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	112
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	336
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	960
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1376
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	896

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Name	Input Value		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	1280		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	832		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	4272		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]	243		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]	345		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]	380		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]	538		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]	304		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]	431		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]	91		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]	635		
t_EOTDmpVspd_Kph_u9p7[0]	0		
t_EOTDmpVspd_Kph_u9p7[1]	768		
t_EOTDmpVspd_Kph_u9p7[2]	1280		
t_EOTDmpVspd_Kph_u9p7[3]	2560		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	3.10231996	3.10231996 ± 0.0000390625	✔
SES_CalcEOTDamp()	3.10231996	3.10231996	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
BilinearXYM_u16_u16XMu16YM_Cnt	1	BilinearXYM_u16_u16XMu16YM_Cnt	1	✓

Test Step 2.18 (Repeat Count = 1)				
Name		Input Value		
CcwEOT_HwDeg_T_f32		-250.029999		
CwEOT_HwDeg_T_f32		450.023987		
EOTActuatorMng_Damping_MtrNm_M_f32		3		
EOTActuatorMng_SESState_Uls_M_enum		SES_NORMAL		
HandWheelPos_HwDeg_T_f32		1200.021		
MotorVel_MtrRadps_T_f32		0		
VehicleSpeed_Kph_T_f32		370.356995		
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32		161.169998		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]		259		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]		366		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]		334		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]		474		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]		334		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]		474		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]		289		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]		409		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]		96		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]		352		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]		992		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]		1392		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]		912		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]		1296		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]		864		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]		4288		
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]		259		
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]		366		
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]		395		
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]		560		
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]		319		
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]		452		
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]		1		
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]		1		
t_EOTDmpVspd_Kph_u9p7[0]		1536		
t_EOTDmpVspd_Kph_u9p7[1]		2816		
t_EOTDmpVspd_Kph_u9p7[2]		3840		
t_EOTDmpVspd_Kph_u9p7[3]		5376		
Name	Actual Value	Expected Value	Result	
EOTActuatorMng_Damping_MtrNm_M_f32	2.67765999	2.67765999 ± 0.0000390625	✔	
SES_CalcEOTDamp()	2.67765999	2.67765999	✔	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
BilinearXYM_u16_u16XMu16YM_Cnt	1	BilinearXYM_u16_u16XMu16YM_Cnt	1	✓

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## Test Step 2.19 (Repeat Count = 1)

Name	Input Value		
CcwEOT_HwDeg_T_f32	-450.209991		
CwEOT_HwDeg_T_f32	650.502991		
EOTActuatorMng_Damping_MtrNm_M_f32	3.20000005		
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL		
HandWheelPos_HwDeg_T_f32	1100.25806		
MotorVel_MtrRadpS_T_f32	600.099976		
VehicleSpeed_Kph_T_f32	80.1559982		
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32	171.179993		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	274		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	388		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	349		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	495		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	349		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	495		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	304		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	431		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	80		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	368		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	1024		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1408		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	928		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	1312		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	896		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	4304		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]	274		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]	388		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]	410		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]	581		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]	334		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]	474		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]	16		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]	22		
t_EOTDmpVspd_Kph_u9p7[0]	6656		
t_EOTDmpVspd_Kph_u9p7[1]	8064		
t_EOTDmpVspd_Kph_u9p7[2]	9472		
t_EOTDmpVspd_Kph_u9p7[3]	10880		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	2.85764003	2.85764003 ± 0.0000390625	✓
SES_CalcEOTDamp()	2.85764003	2.85764003	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
BilinearXMYM_u16_u16XMu16YM_Cnt	1	BilinearXMYM_u16_u16XMu16YM_Cnt	1	✓

## Test Step 2.20 (Repeat Count = 1)

Name	Input Value
CwEOT_HwDeg_T_f32	-688.450012
CwEOT_HwDeg_T_f32	600.044983
EOTActuatorMng_Damping_MtrNm_M_f32	3.4000001
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL
HandWheelPos_HwDeg_T_f32	1000.07098
MotorVel_MtrRadps_T_f32	-600.099976
VehicleSpeed_Kph_T_f32	60.3569984
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32	181.190002
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	9
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	87
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	87
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	216
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	87
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	216
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	11
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	108
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	128
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	528
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	528
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	880
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	960



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Name	Input Value		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	1056		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	1120		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	1440		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]	1		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]	11		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]	205		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]	280		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]	168		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]	452		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]	4		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]	574		
t_EOTDmpVspd_Kph_u9p7[0]	1408		
t_EOTDmpVspd_Kph_u9p7[1]	1920		
t_EOTDmpVspd_Kph_u9p7[2]	1792		
t_EOTDmpVspd_Kph_u9p7[3]	7680		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	3.03762007	3.03762007 ± 0.0000390625	✔
SES_CalcEOTDamp()	3.03762007	3.03762007	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
BilinearXYM_u16_u16XMu16YM_Cnt	1	BilinearXYM_u16_u16XMu16YM_Cnt	1	✓

Test Step 2.21 (Repeat Count = 1)				
Name		Input Value		
CcwEOT_HwDeg_T_f32		-550.450012		
CwEOT_HwDeg_T_f32		750.450012		
EOTActuatorMng_Damping_MtrNm_M_f32		3.5999999		
EOTActuatorMng_SESState_Uls_M_enum		SES_DISABLED		
HandWheelPos_HwDeg_T_f32		-1100.09094		
MotorVel_MtrRadpS_T_f32		770.124023		
VehicleSpeed_Kph_T_f32		180.151993		
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32		191.199997		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]		289		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]		409		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]		365		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]		517		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]		365		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]		517		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]		319		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]		452		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]		64		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]		384		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]		1056		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]		1424		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]		944		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]		1328		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]		832		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]		4320		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]		289		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]		409		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]		425		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]		603		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]		349		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]		495		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]		32		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]		44		
t_EOTDmpVspd_Kph_u9p7[0]		11648		
t_EOTDmpVspd_Kph_u9p7[1]		13312		
t_EOTDmpVspd_Kph_u9p7[2]		15104		
t_EOTDmpVspd_Kph_u9p7[3]		16256		
Name	Actual Value	Expected Value	Result	
EOTActuatorMng_Damping_MtrNm_M_f32	3.21759987	3.21760011 ± 0.0000390625	✓	
SES_CalcEOTDamp()	3.21759987	3.21760011	✓	

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

# TEST DETAILS REPORT

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Test Step 2.22 (Repeat Count = 1)				
Name	Input Value			
CwEOT_HwDeg_T_f32	-550.450012			
CwEOT_HwDeg_T_f32	750.450012			
EOTActuatorMng_Damping_MtrNm_M_f32	3.5999999			
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL			
HandWheelPos_HwDeg_T_f32	-1100.09094			
MotorVel_MtrRadps_T_f32	770.124023			
VehicleSpeed_Kph_T_f32	180.151993			
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32	191.199997			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	289			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	409			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	365			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	517			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	365			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	517			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	319			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	452			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	64			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	384			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	1056			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1424			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	944			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	1328			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	832			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	4320			
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	289			
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	409			
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	425			
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	603			
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	349			
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	495			
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	32			
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	44			
t_EOTDmpVspd_Kph_u9p7[0]	11648			
t_EOTDmpVspd_Kph_u9p7[1]	13312			
t_EOTDmpVspd_Kph_u9p7[2]	15104			
t_EOTDmpVspd_Kph_u9p7[3]	16256			
Name	Actual Value	Expected Value	Result	
EOTActuatorMng_Damping_MtrNm_M_f32	3.21759987	3.21760011 ± 0.0000390625	✓	
SES_CalcEOTDamp()	3.21759987	3.21760011	✓	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
BilinearXMYM_u16_u16XMu16YM_Cnt	1	BilinearXMYM_u16_u16XMu16YM_Cnt	1	✓

Test Step 2.23 (Repeat Count = 1)				
Name	Input Value			
CwEOT_HwDeg_T_f32	-650.409973			
CwEOT_HwDeg_T_f32	850.452026			
EOTActuatorMng_Damping_MtrNm_M_f32	3.79999995			
EOTActuatorMng_SESState_Uls_M_enum	SES_ENTERING			
HandWheelPos_HwDeg_T_f32	1000.30103			
MotorVel_MtrRadps_T_f32	770.872009			
VehicleSpeed_Kph_T_f32	280.157013			
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32	201.210007			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	304			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	431			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	380			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	538			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	380			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	538			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	334			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	474			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	48			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	400			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	560			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	720			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	960			

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Name	Input Value		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	1344		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	848		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	4336		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]	304		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]	431		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]	440		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]	624		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]	365		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]	517		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]	47		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]	65		
t_EOTDmpVspd_Kph_u9p7[0]	0		
t_EOTDmpVspd_Kph_u9p7[1]	768		
t_EOTDmpVspd_Kph_u9p7[2]	1536		
t_EOTDmpVspd_Kph_u9p7[3]	3200		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	3.39757991	3.39757991 ± 0.0000390625	✔
SES_CalcEOTDamp()	3.39757991	3.39757991	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
BilinearXYM_u16_u16XMu16YM_Cnt	1	BilinearXYM_u16_u16XMu16YM_Cnt	1	✓

Test Step 2.24 (Repeat Count = 1)				
Name		Input Value		
CcwEOT_HwDeg_T_f32		-650.409973		
CwEOT_HwDeg_T_f32		850.452026		
EOTActuatorMng_Damping_MtrNm_M_f32		3.79999995		
EOTActuatorMng_SESSState_Uls_M_enum		SES_EXITING		
HandWheelPos_HwDeg_T_f32		1000.30103		
MotorVel_MtrRadps_T_f32		770.872009		
VehicleSpeed_Kph_T_f32		280.157013		
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32		201.210007		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]		304		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]		431		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]		380		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]		538		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]		380		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]		538		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]		334		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]		474		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]		48		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]		400		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]		560		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]		720		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]		960		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]		1344		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]		848		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]		4336		
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]		304		
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]		431		
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]		440		
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]		624		
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]		365		
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]		517		
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]		47		
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]		65		
t_EOTDmpVspd_Kph_u9p7[0]		0		
t_EOTDmpVspd_Kph_u9p7[1]		768		
t_EOTDmpVspd_Kph_u9p7[2]		1536		
t_EOTDmpVspd_Kph_u9p7[3]		3200		
Name	Actual Value	Expected Value	Result	
EOTActuatorMng_Damping_MtrNm_M_f32	4.20242023	4.20242023 ± 0.0000390625	✔	
SES_CalcEOTDamp()	4.20242023	4.20242023	✔	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
BilinearXYM_u16_u16XMu16YM_Cnt	1	BilinearXYM_u16_u16XMu16YM_Cnt	1	✓

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Test Step 2.25 (Repeat Count = 1)				
Name	Input Value			
CwEOT_HwDeg_T_f32	-111.510002			
CwEOT_HwDeg_T_f32	123.541			
EOTActuatorMng_Damping_MtrNm_M_f32	4			
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL			
HandWheelPos_HwDeg_T_f32	-666.559021			
MotorVel_MtrRadps_T_f32	100.348999			
VehicleSpeed_Kph_T_f32	365.153015			
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32	211.220001			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	319			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	452			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	395			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	560			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	395			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	560			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	349			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	495			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	0			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	0			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	0			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	0			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	0			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	0			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	0			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	0			
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	319			
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	452			
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	168			
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	237			
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	380			
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	538			
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	62			
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	87			
t_EOTDmpVspd_Kph_u9p7[0]	2048			
t_EOTDmpVspd_Kph_u9p7[1]	3584			
t_EOTDmpVspd_Kph_u9p7[2]	4736			
t_EOTDmpVspd_Kph_u9p7[3]	5120			
Name	Actual Value	Expected Value	Result	
EOTActuatorMng_Damping_MtrNm_M_f32	3.57755995	3.57755995 ± 0.0000390625	✓	
SES_CalcEOTDamp()	3.57755995	3.57755995	✓	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
BilinearXMYM_u16_u16XMu16YM_Cnt	1	BilinearXMYM_u16_u16XMu16YM_Cnt	1	✓

Test Step 2.26 (Repeat Count = 1)				
Name	Input Value			
CwEOT_HwDeg_T_f32	-111.849998			
CwEOT_HwDeg_T_f32	123.155998			
EOTActuatorMng_Damping_MtrNm_M_f32	4.19999981			
EOTActuatorMng_SESState_Uls_M_enum	SES_ENTERING			
HandWheelPos_HwDeg_T_f32	-666.320984			
MotorVel_MtrRadps_T_f32	100.653999			
VehicleSpeed_Kph_T_f32	365.487			
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32	221.229996			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	334			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	474			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	410			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	581			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	410			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	581			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	365			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	517			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	5760			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	5760			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	5760			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	5760			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	5760			

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Name	Input Value		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	5760		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	5760		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	5760		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]	334		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]	474		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]	183		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]	259		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]	395		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]	560		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]	77		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]	108		
t_EOTDmpVspd_Kph_u9p7[0]	6400		
t_EOTDmpVspd_Kph_u9p7[1]	7680		
t_EOTDmpVspd_Kph_u9p7[2]	8960		
t_EOTDmpVspd_Kph_u9p7[3]	10240		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	3.75753975	3.75753999 ± 0.0000390625	✔
SES_CalcEOTDamp()	3.75753975	3.75753999	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
BilinearXYM_u16_u16XMu16YM_Cnt	1	BilinearXYM_u16_u16XMu16YM_Cnt	1	✓

Test Step 2.27 (Repeat Count = 1)				
Name		Input Value		
CcwEOT_HwDeg_T_f32		-333.149994		
CwEOT_HwDeg_T_f32		345.450989		
EOTActuatorMng_Damping_MtrNm_M_f32		4.4000001		
EOTActuatorMng_SESSState_Uls_M_enum		SES_NORMAL		
HandWheelPos_HwDeg_T_f32		-555.458008		
MotorVel_MtrRadps_T_f32		300.356995		
VehicleSpeed_Kph_T_f32		164.257996		
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32		231.240005		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]		349		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]		495		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]		425		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]		603		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]		425		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]		603		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]		380		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]		538		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]		1920		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]		3520		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]		1920		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]		3520		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]		1920		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]		3520		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]		1920		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]		3520		
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]		349		
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]		495		
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]		198		
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]		280		
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]		410		
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]		581		
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]		92		
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]		130		
t_EOTDmpVspd_Kph_u9p7[0]		11648		
t_EOTDmpVspd_Kph_u9p7[1]		12928		
t_EOTDmpVspd_Kph_u9p7[2]		14720		
t_EOTDmpVspd_Kph_u9p7[3]		16384		
Name	Actual Value	Expected Value	Result	
EOTActuatorMng_Damping_MtrNm_M_f32	3.93752003	3.93752003 ± 0.0000390625	✔	
SES_CalcEOTDamp()	3.93752003	3.93752003	✔	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
BilinearXYM_u16_u16XMu16YM_Cnt	1	BilinearXYM_u16_u16XMu16YM_Cnt	1	✓

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Test Step 2.28 (Repeat Count = 1)				
Name	Input Value			
CwEOT_HwDeg_T_f32	-1000.5			
CwEOT_HwDeg_T_f32	700.981995			
EOTActuatorMng_Damping_MtrNm_M_f32	4.5999999			
EOTActuatorMng_SESState_Uls_M_enum	SES_ENTERING			
HandWheelPos_HwDeg_T_f32	700.070007			
MotorVel_MtrRadps_T_f32	105.846001			
VehicleSpeed_Kph_T_f32	350.414001			
k_EOTPosDepDmpFinalSlew_MtrNmpS_T_f32	241.25			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	365			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	517			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	440			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	624			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	440			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	624			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	395			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	560			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	80			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	208			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	224			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	4208			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	1024			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	1408			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	736			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	3344			
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	365			
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	517			
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	213			
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	302			
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	425			
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	603			
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	107			
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	151			
t_EOTDmpVspd_Kph_u9p7[0]	0			
t_EOTDmpVspd_Kph_u9p7[1]	0			
t_EOTDmpVspd_Kph_u9p7[2]	0			
t_EOTDmpVspd_Kph_u9p7[3]	0			
Name	Actual Value	Expected Value	Result	
EOTActuatorMng_Damping_MtrNm_M_f32	4.11749983	4.11749983 ± 0.0000390625	✓	
SES_CalcEOTDamp()	4.11749983	4.11749983	✓	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
BilinearXMYM_u16_u16XMu16YM_Cnt	1	BilinearXMYM_u16_u16XMu16YM_Cnt	1	✓

Test Step 2.29 (Repeat Count = 1)	
Name	Input Value
CwEOT_HwDeg_T_f32	-555.450012
CwEOT_HwDeg_T_f32	567.655029
EOTActuatorMng_Damping_MtrNm_M_f32	4.80000019
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL
HandWheelPos_HwDeg_T_f32	-444.25
MotorVel_MtrRadps_T_f32	500.088989
VehicleSpeed_Kph_T_f32	326.622986
k_EOTPosDepDmpFinalSlew_MtrNmpS_T_f32	251.259995
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	380
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	538
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	455
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	646
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	334
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	474
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	410
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	581
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	64
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	224
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	256
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	4224
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	1040

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Name	Input Value		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	1424		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	768		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	3360		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]	380		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]	538		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]	349		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]	495		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]	440		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]	624		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]	122		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]	173		
t_EOTDmpVspd_Kph_u9p7[0]	32640		
t_EOTDmpVspd_Kph_u9p7[1]	32640		
t_EOTDmpVspd_Kph_u9p7[2]	32640		
t_EOTDmpVspd_Kph_u9p7[3]	32640		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	4.29748011	4.29748011 ± 0.0000390625	✔
SES_CalcEOTDamp()	4.29748011	4.29748011	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
BilinearXYM_u16_u16XMu16YM_Cnt	1	BilinearXYM_u16_u16XMu16YM_Cnt	1	✓

Test Step 2.30 (Repeat Count = 1)				
Name		Input Value		
CcwEOT_HwDeg_T_f32		-666.539978		
CwEOT_HwDeg_T_f32		678.343994		
EOTActuatorMng_Damping_MtrNm_M_f32		5		
EOTActuatorMng_SESSState_Uls_M_enum		SES_ENTERING		
HandWheelPos_HwDeg_T_f32		444.809998		
MotorVel_MtrRadpS_T_f32		600.073975		
VehicleSpeed_Kph_T_f32		345.542999		
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32		261.269989		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]		395		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]		560		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]		471		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]		667		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]		349		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]		495		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]		425		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]		603		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]		48		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]		240		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]		928		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]		4240		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]		1056		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]		1440		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]		640		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]		3376		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]		395		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]		560		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]		365		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]		517		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]		455		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]		646		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]		137		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]		194		
t_EOTDmpVspd_Kph_u9p7[0]		0		
t_EOTDmpVspd_Kph_u9p7[1]		640		
t_EOTDmpVspd_Kph_u9p7[2]		1280		
t_EOTDmpVspd_Kph_u9p7[3]		2560		
Name	Actual Value	Expected Value	Result	
EOTActuatorMng_Damping_MtrNm_M_f32	4.47745991	4.47745991 ± 0.0000390625	✓	
SES_CalcEOTDamp()	4.47745991	4.47745991	✓	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
BilinearXYM_u16_u16XMu16YM_Cnt	1	BilinearXYM_u16_u16XMu16YM_Cnt	1	✓



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Test Step 2.31 (Repeat Count = 1)				
Name	Input Value			
CwEOT_HwDeg_T_f32	-777.309998			
CwEOT_HwDeg_T_f32	789.851013			
EOTActuatorMng_Damping_MtrNm_M_f32	5.19999981			
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL			
HandWheelPos_HwDeg_T_f32	333.640015			
MotorVel_MtrRadps_T_f32	700.005981			
VehicleSpeed_Kph_T_f32	233.332001			
k_EOTPosDepDmpFinalSlew_MtrNmpS_T_f32	271.279999			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	410			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	581			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	69			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	486			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	365			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	517			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	440			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	624			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	32			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	256			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	800			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	4256			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	1072			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	1456			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	192			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	3392			
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	0			
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	0			
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	0			
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	0			
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	0			
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	0			
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	0			
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	0			
t_EOTDmpVspd_Kph_u9p7[0]	0			
t_EOTDmpVspd_Kph_u9p7[1]	896			
t_EOTDmpVspd_Kph_u9p7[2]	1280			
t_EOTDmpVspd_Kph_u9p7[3]	2560			
Name	Actual Value	Expected Value	Result	
EOTActuatorMng_Damping_MtrNm_M_f32	4.65743971	4.65744019 ± 0.0000390625	✓	
SES_CalcEOTDamp()	4.65743971	4.65744019	✓	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
BilinearXMYM_u16_u16XMu16YM_Cnt	1	BilinearXMYM_u16_u16XMu16YM_Cnt	1	✓

Test Step 2.32 (Repeat Count = 1)	
Name	Input Value
CwEOT_HwDeg_T_f32	-788.22998
CwEOT_HwDeg_T_f32	890.247009
EOTActuatorMng_Damping_MtrNm_M_f32	5.4000001
EOTActuatorMng_SESState_Uls_M_enum	SES_ENTERING
HandWheelPos_HwDeg_T_f32	-333.920013
MotorVel_MtrRadps_T_f32	800.033997
VehicleSpeed_Kph_T_f32	123.320999
k_EOTPosDepDmpFinalSlew_MtrNmpS_T_f32	281.290009
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	425
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	603
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	13
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	501
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	304
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	431
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	455
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	646
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	16
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	272
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	352
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	4272
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	1088

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Name	Input Value		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	1472		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	704		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	3408		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]	983		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]	983		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]	983		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]	983		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]	983		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]	983		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]	983		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]	983		
t_EOTDmpVspd_Kph_u9p7[0]	2048		
t_EOTDmpVspd_Kph_u9p7[1]	3584		
t_EOTDmpVspd_Kph_u9p7[2]	3968		
t_EOTDmpVspd_Kph_u9p7[3]	5632		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	5.9625802	5.9625802 ± 0.0000390625	✔
SES_CalcEOTDamp()	5.9625802	5.9625802	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
BilinearXYM_u16_u16XMu16YM_Cnt	1	BilinearXYM_u16_u16XMu16YM_Cnt	1	✓

Test Step 2.33 (Repeat Count = 1)				
Name		Input Value		
CcwEOT_HwDeg_T_f32		-666.320007		
CwEOT_HwDeg_T_f32		678.851013		
EOTActuatorMng_Damping_MtrNm_M_f32		5.5999999		
EOTActuatorMng_SESSState_Uls_M_enum		SES_NORMAL		
HandWheelPos_HwDeg_T_f32		444.269989		
MotorVel_MtrRadpS_T_f32		900.080994		
VehicleSpeed_Kph_T_f32		345.542999		
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32		291.299988		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]		440		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]		624		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]		73		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]		516		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]		319		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]		452		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]		66		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]		471		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]		0		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]		288		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]		384		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]		4288		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]		1104		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]		1488		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]		256		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]		3424		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]		0		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]		128		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]		0		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]		128		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]		0		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]		128		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]		0		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]		128		
t_EOTDmpVspd_Kph_u9p7[0]		6528		
t_EOTDmpVspd_Kph_u9p7[1]		8192		
t_EOTDmpVspd_Kph_u9p7[2]		9472		
t_EOTDmpVspd_Kph_u9p7[3]		10368		
Name	Actual Value	Expected Value	Result	
EOTActuatorMng_Damping_MtrNm_M_f32	5.01739979	5.01739979 ± 0.0000390625	✔	
SES_CalcEOTDamp()	5.01739979	5.01739979	✔	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
BilinearXYM_u16_u16XMu16YM_Cnt	1	BilinearXYM_u16_u16XMu16YM_Cnt	1	✓

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Test Step 2.34 (Repeat Count = 1)				
Name	Input Value			
CwEOT_HwDeg_T_f32	-999.869995			
CwEOT_HwDeg_T_f32	787.36499			
EOTActuatorMng_Damping_MtrNm_M_f32	-20.5			
EOTActuatorMng_SESState_Uls_M_enum	SES_EXITING			
HandWheelPos_HwDeg_T_f32	-222.339996			
MotorVel_MtrRadps_T_f32	1000.04999			
VehicleSpeed_Kph_T_f32	333.333008			
k_EOTPosDepDmpFinalSlew_MtrNmpS_T_f32	0			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	0			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	0			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	0			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	0			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	0			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	0			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	0			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	0			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	144			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	304			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	896			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	4304			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	1120			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	1504			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	288			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	3440			
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	0			
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	128			
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	1			
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	1			
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	577			
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	818			
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	425			
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	603			
t_EOTDmpVspd_Kph_u9p7[0]	10240			
t_EOTDmpVspd_Kph_u9p7[1]	20480			
t_EOTDmpVspd_Kph_u9p7[2]	21760			
t_EOTDmpVspd_Kph_u9p7[3]	24320			
Name	Actual Value	Expected Value	Result	
EOTActuatorMng_Damping_MtrNm_M_f32	-20.5	-20.5 ± 0.0000390625	✓	
SES_CalcEOTDamp()	-20.5	-20.5	✓	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
BilinearXMYM_u16_u16XMu16YM_Cnt	1	BilinearXMYM_u16_u16XMu16YM_Cnt	1	✓

Test Step 2.35 (Repeat Count = 1)	
Name	Input Value
CwEOT_HwDeg_T_f32	-475.619995
CwEOT_HwDeg_T_f32	543.427979
EOTActuatorMng_Damping_MtrNm_M_f32	20.5
EOTActuatorMng_SESState_Uls_M_enum	SES_EXITING
HandWheelPos_HwDeg_T_f32	111.739998
MotorVel_MtrRadps_T_f32	543.283997
VehicleSpeed_Kph_T_f32	222.110992
k_EOTPosDepDmpFinalSlew_MtrNmpS_T_f32	1200
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	983
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	983
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	983
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	983
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	983
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	983
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	983
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	983
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	480
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	2656
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	928
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	4320
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	1280

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Name	Input Value		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	736		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	640		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	3456		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]	79		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]	112		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]	16		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]	22		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]	592		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]	839		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]	440		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]	624		
t_EOTDmpVspd_Kph_u9p7[0]	0		
t_EOTDmpVspd_Kph_u9p7[1]	640		
t_EOTDmpVspd_Kph_u9p7[2]	1280		
t_EOTDmpVspd_Kph_u9p7[3]	2560		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	18.1000004	18.1000004 ± 0.0000390625	✔
SES_CalcEOTDamp()	18.1000004	18.1000004	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
BilinearXYM_u16_u16XMu16YM_Cnt	1	BilinearXYM_u16_u16XMu16YM_Cnt	1	✓

Test Step 2.36 (Repeat Count = 1)				
Name		Input Value		
CcwEOT_HwDeg_T_f32		-643.47998		
CwEOT_HwDeg_T_f32		654.747009		
EOTActuatorMng_Damping_MtrNm_M_f32		4.4000001		
EOTActuatorMng_SESSState_Uls_M_enum		SES_EXITING		
HandWheelPos_HwDeg_T_f32		-111.650002		
MotorVel_MtrRadpS_T_f32		564.969971		
VehicleSpeed_Kph_T_f32		111.222		
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32		600		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]		0		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]		262		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]		0		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]		262		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]		0		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]		262		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]		0		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]		262		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]		352		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]		2672		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]		800		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]		4336		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]		1312		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]		752		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]		352		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]		3472		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]		80		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]		114		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]		32		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]		44		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]		607		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]		861		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]		455		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]		646		
t_EOTDmpVspd_Kph_u9p7[0]		0		
t_EOTDmpVspd_Kph_u9p7[1]		768		
t_EOTDmpVspd_Kph_u9p7[2]		1280		
t_EOTDmpVspd_Kph_u9p7[3]		2560		
Name	Actual Value	Expected Value	Result	
EOTActuatorMng_Damping_MtrNm_M_f32	3.20000005	3.20000005 ± 0.0000390625	✔	
SES_CalcEOTDamp()	3.20000005	3.20000005	✔	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
BilinearXYM_u16_u16XMu16YM_Cnt	1	BilinearXYM_u16_u16XMu16YM_Cnt	1	✓

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## Test Step 2.37 (Repeat Count = 1)

Name	Input Value		
CwEOT_HwDeg_T_f32	-999.869995		
CwEOT_HwDeg_T_f32	787.36499		
EOTActuatorMng_Damping_MtrNm_M_f32	-20.5		
EOTActuatorMng_SESState_Uls_M_enum	SES_EXITING		
HandWheelPos_HwDeg_T_f32	-222.339996		
MotorVel_MtrRadpS_T_f32	1000.04999		
VehicleSpeed_Kph_T_f32	333.333008		
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32	0		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	0		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	0		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	0		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	0		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	0		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	0		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	0		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	0		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	144		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	304		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	896		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	4304		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	1120		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	1504		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	288		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	3440		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]	0		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]	128		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]	1		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]	1		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]	577		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]	818		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]	425		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]	603		
t_EOTDmpVspd_Kph_u9p7[0]	10240		
t_EOTDmpVspd_Kph_u9p7[1]	20480		
t_EOTDmpVspd_Kph_u9p7[2]	21760		
t_EOTDmpVspd_Kph_u9p7[3]	24320		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	-20.5	-20.5 ± 0.0000390625	✓
SES_CalcEOTDamp()	-20.5	-20.5	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
BilinearXMYM_u16_u16XMu16YM_Cnt	1	BilinearXMYM_u16_u16XMu16YM_Cnt	1	✓

## Test Step 2.38 (Repeat Count = 1)

Name	Input Value
CwEOT_HwDeg_T_f32	-475.619995
CwEOT_HwDeg_T_f32	543.427979
EOTActuatorMng_Damping_MtrNm_M_f32	20.5
EOTActuatorMng_SESState_Uls_M_enum	SES_EXITING
HandWheelPos_HwDeg_T_f32	111.739998
MotorVel_MtrRadps_T_f32	543.283997
VehicleSpeed_Kph_T_f32	222.110992
k_EOTPosDepDmpFinalSlew_MtrNmpS_T_f32	1200
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	983
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	983
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	983
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	983
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	983
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	983
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	983
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	983
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	480
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	2656
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	928
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	4320
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	1280

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Name	Input Value		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	736		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	640		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	3456		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]	79		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]	112		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]	16		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]	22		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]	592		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]	839		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]	440		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]	624		
t_EOTDmpVspd_Kph_u9p7[0]	0		
t_EOTDmpVspd_Kph_u9p7[1]	640		
t_EOTDmpVspd_Kph_u9p7[2]	1280		
t_EOTDmpVspd_Kph_u9p7[3]	2560		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	18.1000004	18.1000004 ± 0.0000390625	✔
SES_CalcEOTDamp()	18.1000004	18.1000004	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
BilinearXYM_u16_u16XMu16YM_Cnt	1	BilinearXYM_u16_u16XMu16YM_Cnt	1	✓

Test Step 2.39 (Repeat Count = 1)				
Name		Input Value		
CcwEOT_HwDeg_T_f32		-643.47998		
CwEOT_HwDeg_T_f32		654.747009		
EOTActuatorMng_Damping_MtrNm_M_f32		4.4000001		
EOTActuatorMng_SESSState_Uls_M_enum		SES_EXITING		
HandWheelPos_HwDeg_T_f32		-111.650002		
MotorVel_MtrRadps_T_f32		564.969971		
VehicleSpeed_Kph_T_f32		111.222		
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32		400		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]		0		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]		262		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]		0		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]		262		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]		0		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]		262		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]		0		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]		262		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]		352		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]		2672		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]		800		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]		4336		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]		1312		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]		752		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]		352		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]		3472		
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]		80		
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]		114		
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]		32		
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]		44		
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]		607		
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]		861		
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]		455		
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]		646		
t_EOTDmpVspd_Kph_u9p7[0]		0		
t_EOTDmpVspd_Kph_u9p7[1]		768		
t_EOTDmpVspd_Kph_u9p7[2]		1280		
t_EOTDmpVspd_Kph_u9p7[3]		2560		
Name	Actual Value	Expected Value	Result	
EOTActuatorMng_Damping_MtrNm_M_f32	3.60000014	3.5999999 ± 0.0000390625	✔	
SES_CalcEOTDamp()	3.60000014	3.5999999	✔	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
BilinearXYM_u16_u16XMu16YM_Cnt	1	BilinearXYM_u16_u16XMu16YM_Cnt	1	✓

# TEST DETAILS REPORT

SES\_CalcEOTDamp

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Test Step 2.40 (Repeat Count = 1)				
Name	Input Value			
CwEOT_HwDeg_T_f32	-643.47998			
CwEOT_HwDeg_T_f32	654.747009			
EOTActuatorMng_Damping_MtrNm_M_f32	4.4000001			
EOTActuatorMng_SESState_Uls_M_enum	SES_EXITING			
HandWheelPos_HwDeg_T_f32	-111.650002			
MotorVel_MtrRadps_T_f32	564.969971			
VehicleSpeed_Kph_T_f32	111.222			
k_EOTPosDepDmpFinalSlew_MtrNmpS_T_f32	400.001007			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	0			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	262			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	0			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	262			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	0			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	262			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	0			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	262			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	352			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	2672			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	800			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	4336			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	1312			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	752			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	352			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	3472			
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	80			
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	114			
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	32			
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	44			
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	607			
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	861			
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	455			
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	646			
t_EOTDmpVspd_Kph_u9p7[0]	0			
t_EOTDmpVspd_Kph_u9p7[1]	768			
t_EOTDmpVspd_Kph_u9p7[2]	1280			
t_EOTDmpVspd_Kph_u9p7[3]	2560			
Name	Actual Value	Expected Value	Result	
EOTActuatorMng_Damping_MtrNm_M_f32	3.599998	3.5999999 ± 0.0000390625	✓	
SES_CalcEOTDamp()	3.599998	3.599998	✓	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
BilinearXMYM_u16_u16XMu16YM_Cnt	1	BilinearXMYM_u16_u16XMu16YM_Cnt	1	✓

Test Step 2.41 (Repeat Count = 1)				
Name	Input Value			
CwEOT_HwDeg_T_f32	-999.869995			
CwEOT_HwDeg_T_f32	787.36499			
EOTActuatorMng_Damping_MtrNm_M_f32	-20.5			
EOTActuatorMng_SESState_Uls_M_enum	SES_EXITING			
HandWheelPos_HwDeg_T_f32	-222.339996			
MotorVel_MtrRadps_T_f32	1000.04999			
VehicleSpeed_Kph_T_f32	333.333008			
k_EOTPosDepDmpFinalSlew_MtrNmpS_T_f32	0			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	0			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	0			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	0			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	0			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	0			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	0			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	0			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	0			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	144			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	304			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	896			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	4304			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	1120			



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Name	Input Value		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	1504		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	288		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	3440		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]	0		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]	128		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]	1		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]	1		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]	577		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]	818		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]	425		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]	603		
t_EOTDmpVspd_Kph_u9p7[0]	10240		
t_EOTDmpVspd_Kph_u9p7[1]	20480		
t_EOTDmpVspd_Kph_u9p7[2]	21760		
t_EOTDmpVspd_Kph_u9p7[3]	24320		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	-20.5	-20.5 ± 0.0000390625	✔
SES_CalcEOTDamp()	-20.5	-20.5	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
BilinearXYM_u16_u16XMu16YM_Cnt	1	BilinearXYM_u16_u16XMu16YM_Cnt	1	✓

Test Step 2.42 (Repeat Count = 1)				
Name		Input Value		
CcwEOT_HwDeg_T_f32		-475.619995		
CwEOT_HwDeg_T_f32		543.427979		
EOTActuatorMng_Damping_MtrNm_M_f32		20.5		
EOTActuatorMng_SESSState_Uls_M_enum		SES_EXITING		
HandWheelPos_HwDeg_T_f32		111.739998		
MotorVel_MtrRadpS_T_f32		543.283997		
VehicleSpeed_Kph_T_f32		222.110992		
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32		1200		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]		983		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]		983		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]		983		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]		983		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]		983		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]		983		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]		983		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]		983		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]		480		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]		2656		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]		928		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]		4320		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]		1280		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]		736		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]		640		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]		3456		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]		79		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]		112		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]		16		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]		22		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]		592		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]		839		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]		440		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]		624		
t_EOTDmpVspd_Kph_u9p7[0]		0		
t_EOTDmpVspd_Kph_u9p7[1]		640		
t_EOTDmpVspd_Kph_u9p7[2]		1280		
t_EOTDmpVspd_Kph_u9p7[3]		2560		
Name	Actual Value	Expected Value	Result	
EOTActuatorMng_Damping_MtrNm_M_f32	18.1000004	18.1000004 ± 0.0000390625	✔	
SES_CalcEOTDamp()	18.1000004	18.1000004	✔	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
BilinearXYM_u16_u16XMu16YM_Cnt	1	BilinearXYM_u16_u16XMu16YM_Cnt	1	✓

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## Test Step 2.43 (Repeat Count = 1)

Name	Input Value		
CcwEOT_HwDeg_T_f32	-643.47998		
CwEOT_HwDeg_T_f32	654.747009		
EOTActuatorMng_Damping_MtrNm_M_f32	0		
EOTActuatorMng_SESState_Uls_M_enum	SES_EXITING		
HandWheelPos_HwDeg_T_f32	-111.650002		
MotorVel_MtrRadpS_T_f32	564.969971		
VehicleSpeed_Kph_T_f32	111.222		
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32	600		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	0		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	262		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	0		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	262		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	0		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	262		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	0		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	262		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	352		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	2672		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	800		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	4336		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	1312		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	752		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	352		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	3472		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]	80		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]	114		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]	32		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]	44		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]	607		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]	861		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]	455		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]	646		
t_EOTDmpVspd_Kph_u9p7[0]	0		
t_EOTDmpVspd_Kph_u9p7[1]	768		
t_EOTDmpVspd_Kph_u9p7[2]	1280		
t_EOTDmpVspd_Kph_u9p7[3]	2560		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	0	0 ± 0.0000390625	✔
SES_CalcEOTDamp()	0	0	✔

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
BilinearXMYM_u16_u16XMu16YM_Cnt	1	BilinearXMYM_u16_u16XMu16YM_Cnt	1	✓

## Test Step 2.44 (Repeat Count = 1)

Name	Input Value
CwEOT_HwDeg_T_f32	-475.619995
CwEOT_HwDeg_T_f32	543.427979
EOTActuatorMng_Damping_MtrNm_M_f32	-4.4000001
EOTActuatorMng_SESState_Uls_M_enum	SES_EXITING
HandWheelPos_HwDeg_T_f32	111.739998
MotorVel_MtrRadps_T_f32	543.283997
VehicleSpeed_Kph_T_f32	222.110992
k_EOTPosDepDmpFinalSlew_MtrNmpS_T_f32	1200
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	983
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	983
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	983
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	983
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	983
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	983
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	983
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	983
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	480
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	2656
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	928
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	4320
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	1280

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Name	Input Value		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	736		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	640		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	3456		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]	79		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]	112		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]	16		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]	22		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]	592		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]	839		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]	440		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]	624		
t_EOTDmpVspd_Kph_u9p7[0]	0		
t_EOTDmpVspd_Kph_u9p7[1]	640		
t_EOTDmpVspd_Kph_u9p7[2]	1280		
t_EOTDmpVspd_Kph_u9p7[3]	2560		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	-2	-2 ± 0.0000390625	✔
SES_CalcEOTDamp()	-2	-2	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
BilinearXYM_u16_u16XMu16YM_Cnt	1	BilinearXYM_u16_u16XMu16YM_Cnt	1	✓

Test Step 2.45 (Repeat Count = 1)				
Name		Input Value		
CcwEOT_HwDeg_T_f32		-643.47998		
CwEOT_HwDeg_T_f32		654.747009		
EOTActuatorMng_Damping_MtrNm_M_f32		4.4000001		
EOTActuatorMng_SESSState_Uls_M_enum		SES_EXITING		
HandWheelPos_HwDeg_T_f32		-111.650002		
MotorVel_MtrRadpS_T_f32		564.969971		
VehicleSpeed_Kph_T_f32		111.222		
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32		600		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]		0		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]		262		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]		0		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]		262		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]		0		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]		262		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]		0		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]		262		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]		352		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]		2672		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]		800		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]		4336		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]		1312		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]		752		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]		352		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]		3472		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]		80		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]		114		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]		32		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]		44		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]		607		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]		861		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]		455		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]		646		
t_EOTDmpVspd_Kph_u9p7[0]		0		
t_EOTDmpVspd_Kph_u9p7[1]		768		
t_EOTDmpVspd_Kph_u9p7[2]		1280		
t_EOTDmpVspd_Kph_u9p7[3]		2560		
Name	Actual Value	Expected Value	Result	
EOTActuatorMng_Damping_MtrNm_M_f32	3.20000005	3.20000005 ± 0.0000390625	✔	
SES_CalcEOTDamp()	3.20000005	3.20000005	✔	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
BilinearXYM_u16_u16XMu16YM_Cnt	1	BilinearXYM_u16_u16XMu16YM_Cnt	1	✓

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Test Step 2.46 (Repeat Count = 1)				
Name	Input Value			
CwEOT_HwDeg_T_f32	-1440.10999			
CwEOT_HwDeg_T_f32	0			
EOTActuatorMng_Damping_MtrNm_M_f32	-20.5			
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED			
HandWheelPos_HwDeg_T_f32	-1440.10999			
MotorVel_MtrRadps_T_f32	-1118			
VehicleSpeed_Kph_T_f32	0			
k_EOTPosDepDmpFinalSlew_MtrNmpS_T_f32	0			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	0			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	0			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	0			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	0			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	0			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	0			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	0			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	0			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	0			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	0			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	0			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	0			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	0			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	0			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	0			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	0			
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	0			
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	0			
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	0			
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	0			
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	0			
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	0			
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	0			
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	0			
t_EOTDmpVspd_Kph_u9p7[0]	0			
t_EOTDmpVspd_Kph_u9p7[1]	0			
t_EOTDmpVspd_Kph_u9p7[2]	0			
t_EOTDmpVspd_Kph_u9p7[3]	0			
Name	Actual Value	Expected Value	Result	
EOTActuatorMng_Damping_MtrNm_M_f32	-20.5	-20.5 ± 0.0000390625	✓	
SES_CalcEOTDamp()	-20.5	-20.5	✓	

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

Test Step 2.47 (Repeat Count = 1)	
Name	Input Value
CwEOT_HwDeg_T_f32	0
CwEOT_HwDeg_T_f32	1440.10999
EOTActuatorMng_Damping_MtrNm_M_f32	20.5
EOTActuatorMng_SESState_Uls_M_enum	SES_EXITING
HandWheelPos_HwDeg_T_f32	1440.10999
MotorVel_MtrRadps_T_f32	1118
VehicleSpeed_Kph_T_f32	511.992188
k_EOTPosDepDmpFinalSlew_MtrNmpS_T_f32	1200
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	983
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	983
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	983
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	983
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	983
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	983
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	983
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	983
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	5760
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	5760
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	5760
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	5760
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	5760

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Name	Input Value		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	5760		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	5760		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	5760		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]	983		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]	983		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]	983		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]	983		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]	983		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]	983		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]	983		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]	983		
t_EOTDmpVspd_Kph_u9p7[0]	32640		
t_EOTDmpVspd_Kph_u9p7[1]	32640		
t_EOTDmpVspd_Kph_u9p7[2]	32640		
t_EOTDmpVspd_Kph_u9p7[3]	32640		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	18.1000004	18.1000004 ± 0.0000390625	✔
SES_CalcEOTDamp()	18.1000004	18.1000004	✔

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
BilinearXYM_u16_u16XMu16YM_Cnt	1	BilinearXYM_u16_u16XMu16YM_Cnt	1	✓

## Test Case 3: Path Test

<b>Specification</b>	<p>Performance Metrics (With "None" Instrumentation and WithPS Environment) CPU Cycles:</p> <p>TS3.1 539 cycles TS3.2 469 cycles TS3.3 59 cycles TS3.4 454 cycles TS3.5 542 cycles TS3.6 469 cycles</p>
<b>Description</b>	<p>Vector Description</p> <p>TS3.1"(SESState_Uls_M_enum = SES_DISABLED)=False and (HandWheelPos4_HwDeg_T_f32 &lt; D_ZERO_ULS_F32)=True and (SESState_Uls_M_enum = SES_EXITING)=False" TS3.2"(SESState_Uls_M_enum = SES_DISABLED)=False and (HandWheelPos4_HwDeg_T_f32 &lt; D_ZERO_ULS_F32)=False" TS3.3(SSESState_Uls_M_enum = SES_DISABLED)=True TS3.4(SSESState_Uls_M_enum = SES_EXITING)=True TS3.5"(SESState_Uls_M_enum = SES_DISABLED) =False and (SESState_Uls_M_enum = SES_EXITING) =False" TS3.6"EOTDamping_MtrNm_T_f32 = Limit_m(EOTDamping_MtrNm_T_f32, ((D_2MS_SEC_F32 * -k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32)+ EOTActuatorMng_Damping_MtrNm_M_f32), ((D_2MS_SEC_F32 * k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32)+ EOTActuatorMng_Damping_MtrNm_M_f32)) =&gt; FALSE"</p>

### Test Step 3.1 (Repeat Count = 1)

Name	Input Value
CcwEOT_HwDeg_T_f32	-1111
CwEOT_HwDeg_T_f32	0
EOTActuatorMng_Damping_MtrNm_M_f32	-8.80000019
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL
HandWheelPos_HwDeg_T_f32	-400
MotorVel_MtrRadps_T_f32	805
VehicleSpeed_Kph_T_f32	111
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32	0
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	0
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	256
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	154
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	512
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	94
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	305
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	160
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	224
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	320
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	0
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	560
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	720

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Name	Input Value		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	1760		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	3520		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	5600		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	4800		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]	0		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]	128		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]	146		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]	416		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]	305		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]	640		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]	93		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]	448		
t_EOTDmpVspd_Kph_u9p7[0]	0		
t_EOTDmpVspd_Kph_u9p7[1]	65535		
t_EOTDmpVspd_Kph_u9p7[2]	65535		
t_EOTDmpVspd_Kph_u9p7[3]	65535		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	-8.80000019	-8.80000019 ± 0.0000390625	✓
SES_CalcEOTDamp()	-8.80000019	-8.80000019	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
BilinearXYM_u16_u16XMu16YM_Cnt	1	BilinearXYM_u16_u16XMu16YM_Cnt	1	✓

Test Step 3.2 (Repeat Count = 1)				
Name		Input Value		
CcwEOT_HwDeg_T_f32		-122		
CwEOT_HwDeg_T_f32		1440		
EOTActuatorMng_Damping_MtrNm_M_f32		8.80000019		
EOTActuatorMng_SESState_Uls_M_enum		SES_ENTERING		
HandWheelPos_HwDeg_T_f32		400		
MotorVel_MtrRadpS_T_f32		-705		
VehicleSpeed_Kph_T_f32		222		
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32		1200		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]		0		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]		256		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]		154		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]		512		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]		94		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]		305		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]		160		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]		224		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]		320		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]		0		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]		560		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]		720		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]		1760		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]		3520		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]		5600		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]		4800		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]		0		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]		128		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]		146		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]		416		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]		305		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]		640		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]		93		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]		448		
t_EOTDmpVspd_Kph_u9p7[0]		0		
t_EOTDmpVspd_Kph_u9p7[1]		65535		
t_EOTDmpVspd_Kph_u9p7[2]		65535		
t_EOTDmpVspd_Kph_u9p7[3]		65535		
Name	Actual Value	Expected Value	Result	
EOTActuatorMng_Damping_MtrNm_M_f32	6.4000001	6.4000001 ± 0.0000390625	✓	
SES_CalcEOTDamp()	6.4000001	6.4000001	✓	

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
BilinearXYM_u16_u16XMu16YM_Cnt	1	BilinearXYM_u16_u16XMu16YM_Cnt	1	✓

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Test Step 3.3 (Repeat Count = 1)				
Name	Input Value			
CwEOT_HwDeg_T_f32	-555			
CwEOT_HwDeg_T_f32	777			
EOTActuatorMng_Damping_MtrNm_M_f32	4.4000001			
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED			
HandWheelPos_HwDeg_T_f32	-1100			
MotorVel_MtrRadps_T_f32	770			
VehicleSpeed_Kph_T_f32	188			
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32	600			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	0			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	256			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	154			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	512			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	94			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	305			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	160			
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	224			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	320			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	0			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	560			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	720			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	1760			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	3520			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	5600			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	4800			
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	0			
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	128			
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	146			
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	416			
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	305			
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	640			
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	93			
t2_EOTPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	448			
t_EOTDmpVspd_Kph_u9p7[0]	0			
t_EOTDmpVspd_Kph_u9p7[1]	65535			
t_EOTDmpVspd_Kph_u9p7[2]	65535			
t_EOTDmpVspd_Kph_u9p7[3]	65535			
Name	Actual Value	Expected Value	Result	
EOTActuatorMng_Damping_MtrNm_M_f32	3.20000005	3.20000005 ± 0.0000390625	✓	
SES_CalcEOTDamp()	3.20000005	3.20000005	✓	

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
CwEOT_HwDeg_T_f32	-666
CwEOT_HwDeg_T_f32	850
EOTActuatorMng_Damping_MtrNm_M_f32	-8.80000019
EOTActuatorMng_SESState_Uls_M_enum	SES_EXITING
HandWheelPos_HwDeg_T_f32	1000
MotorVel_MtrRadps_T_f32	-770
VehicleSpeed_Kph_T_f32	288
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32	0
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	0
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	256
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	154
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	512
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	94
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	305
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	160
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	224
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	320
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	0
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	560



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Name	Input Value		
t2_EOTPosDepDmpTblX_HwDeg_u12p4{1}{1}	720		
t2_EOTPosDepDmpTblX_HwDeg_u12p4{2}{0}	1760		
t2_EOTPosDepDmpTblX_HwDeg_u12p4{2}{1}	3520		
t2_EOTPosDepDmpTblX_HwDeg_u12p4{3}{0}	5600		
t2_EOTPosDepDmpTblX_HwDeg_u12p4{3}{1}	4800		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16{0}{0}	0		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16{0}{1}	128		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16{1}{0}	146		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16{1}{1}	416		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16{2}{0}	305		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16{2}{1}	640		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16{3}{0}	93		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16{3}{1}	448		
t_EOTDmpVspd_Kph_u9p7{0}	0		
t_EOTDmpVspd_Kph_u9p7{1}	65535		
t_EOTDmpVspd_Kph_u9p7{2}	65535		
t_EOTDmpVspd_Kph_u9p7{3}	65535		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	-8.80000019	-8.80000019 ± 0.0000390625	✓
SES_CalcEOTDamp()	-8.80000019	-8.80000019	✓

Test Step Call Trace				
Actual Function	Count	Expected Function	Count	Result
BilinearXYM_u16_u16XMu16YM_Cnt	1	BilinearXYM_u16_u16XMu16YM_Cnt	1	✓

Test Step 3.5 (Repeat Count = 1)				
Name		Input Value		
CcwEOT_HwDeg_T_f32		0		
CwEOT_HwDeg_T_f32		800		
EOTActuatorMng_Damping_MtrNm_M_f32		8.80000019		
EOTActuatorMng_SESSState_Uls_M_enum		SES_NORMAL		
HandWheelPos_HwDeg_T_f32		-700		
MotorVel_MtrRadpS_T_f32		205		
VehicleSpeed_Kph_T_f32		250		
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32		1200		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]		0		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]		256		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]		154		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]		512		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]		94		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]		305		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]		160		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]		224		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]		320		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]		0		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]		560		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]		720		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]		1760		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]		3520		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]		5600		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]		4800		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]		0		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]		128		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]		146		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]		416		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]		305		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]		640		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]		93		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]		448		
t_EOTDmpVspd_Kph_u9p7[0]		0		
t_EOTDmpVspd_Kph_u9p7[1]		65535		
t_EOTDmpVspd_Kph_u9p7[2]		65535		
t_EOTDmpVspd_Kph_u9p7[3]		65535		
Name	Actual Value	Expected Value	Result	
EOTActuatorMng_Damping_MtrNm_M_f32	6.4000001	6.4000001 ± 0.0000390625	✔	
SES_CalcEOTDamp()	6.4000001	6.4000001	✔	

# TEST DETAILS REPORT

2015-06-29, 18:39:50+0530

SES\_CalcEOTDamp



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
BilinearXMYM_u16_u16XMu16YM_Cnt	1	BilinearXMYM_u16_u16XMu16YM_Cnt	1	✓

## Test Step 3.6 (Repeat Count = 1)

Name	Input Value		
CwEOT_HwDeg_T_f32	-650.409973		
CwEOT_HwDeg_T_f32	850.452026		
EOTActuatorMng_Damping_MtrNm_M_f32	3.79999995		
EOTActuatorMng_SESState_Uls_M_enum	SES_EXITING		
HandWheelPos_HwDeg_T_f32	1000.30103		
MotorVel_MtrRadpS_T_f32	770.872009		
VehicleSpeed_Kph_T_f32	280.157013		
k_EOTPosDepDempFinalSlew_MtrNmpS_T_f32	1200		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][0]	304		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[0][1]	431		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][0]	380		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[1][1]	538		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][0]	380		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[2][1]	538		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][0]	334		
t2_EOTExPosDepDmpTblY_MtrNmpRadps_u0p16[3][1]	474		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	48		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	400		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	560		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	720		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	960		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	1344		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	848		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	4336		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][0]	304		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[0][1]	431		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][0]	440		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[1][1]	624		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][0]	365		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[2][1]	517		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][0]	47		
t2_EOTPosDepDmpTblY_MtrNmpRadpS_u0p16[3][1]	65		
t_EOTDmpVspd_Kph_u9p7[0]	0		
t_EOTDmpVspd_Kph_u9p7[1]	768		
t_EOTDmpVspd_Kph_u9p7[2]	1536		
t_EOTDmpVspd_Kph_u9p7[3]	3200		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_Damping_MtrNm_M_f32	5.57545996	5.57545948 ± 0.0000390625	✔
SES_CalcEOTDamp()	5.57545996	5.57545948	✔

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
BilinearXMYM_u16_u16XMu16YM_Cnt	1	BilinearXMYM_u16_u16XMu16YM_Cnt	1	✓

# TEST DETAILS REPORT

2015-06-29, 18:32:51+0530

EOTDetermination



Project	EOTActuatorMng
Module	EOTActuatorMng
Test Object	EOTDetermination

## Instrumentation: Test Object Only

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

## Statistics

Total Testcases	3
Successful	3 ✓
Failed	0
Not Executed	0

## Module Properties

Project Root Directory	D:\Synergy_Work_Area\CBD_EOTActuatorMng\EOTActuatorMng
Configuration File	D:\Synergy_Work_Area\CBD_EOTActuatorMng\EOTActuatorMng\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)\NxtLib\src\interpolation.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -I\$(PROJECTROOT)\NxtLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\utp\contract\Ap_EOTActuatorMng -I\$(PROJECTROOT)\utp\contract -I\$(Compiler Install Path)\include
File	\$(PROJECTROOT)\src\Ap_EOTActuatorMng.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -I\$(PROJECTROOT)\NxtLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\utp\contract\Ap_EOTActuatorMng -I\$(PROJECTROOT)\utp\contract -I\$(Compiler Install Path)\include

## Comments/Description/Specification

Name	Text
Module 'EOTActuatorMng'	/*****Unit Test Description*****/ Name of Tester:Priti Manglekar Code File(s) Under Test:Ap_EOTActuatorMng.c Code File(s) Version:19 Module Design Document:End_of_Travel_Actuator_Management_MDD.docx Module Design Document Version:25 Data Dictionary Version:21 Unit Test Plan Version:11 Optimization Level:Level 2 Compiler (CodeGen) Version:TMS470_4.9.5 Model Type:Excel Macro Model Version:Nexteer EPS Unit Test Tool 2.7d/EPS Library 1.32 Total FLASH Used (Bytes):2914 Total RAM Used (Bytes):54 Total CALS Used (Bytes):170 Special Test Requirements: Test Date:6/29/2015 Comments:"NOTE 1: Inline functions defined in GlobalMacro.h are not untested. NOTE 2: ""CBD_Sandbox_dbg.map"" is embedded for reference." /*****

## Attributes

Name	Value
Compiler Install Path	\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5
Float Precision	9
InitObjDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj
InitSrcDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd
Makefile Template	\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570.tpl
Target Install Path	\$(ProgramFiles)\pls\UDE 3.2
Time Unit	Cycles

# TEST DETAILS REPORT

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EOTDetermination



Attributes	
Name	Value
Timer Enabled	false
Timer Prescale	0
Timer Resolution	1
UDE Config File	\$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg
Workspace File	D:\Synergy_Work_Area\CBD_EOTActuatorMng\EOTActuatorMng\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

# TEST DETAILS REPORT

2015-06-29, 18:32:51+0530

EOTDetermination



## Test Case 1: Metrics Test

<b>Specification</b>	Performance Metrics (With "None" Instrumentation and WithPS Environment) CPU Cycles:  TS1.1 4 cycles TS1.2 4 cycles
<b>Description</b>	Vector Description  TS1.1"Shortest Execution Path: (bitwiseand(bitwiseand(CwFound_Cnt_T_lgc, CcwFound_Cnt_T_lgc), k_SoftStopEOTEnable_Cnt_lgc)) = 1) = True" TS1.2"Longest Execution Path: ((bitwiseand(bitwiseand(CwFound_Cnt_T_lgc, CcwFound_Cnt_T_lgc), k_SoftStopEOTEnable_Cnt_lgc)) = 1) = False"

### Test Step 1.1 (Repeat Count = 1)

Name	Input Value			
CcwFound_Cnt_T_lgc	1			
CwFound_Cnt_T_lgc	1			
k_SoftStopEOTEnable_Cnt_lgc	1			
Name	Actual Value	Expected Value	Result	
EOTDetermination()	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			
CcwFound_Cnt_T_lgc	0			
CwFound_Cnt_T_lgc	0			
k_SoftStopEOTEnable_Cnt_lgc	0			
Name	Actual Value	Expected Value	Result	
EOTDetermination()	0	0	✓	

### Test Step Call Trace

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

## Test Case 2: Boundary Test

<b>Specification</b>	Performance Metrics (With "None" Instrumentation and WithPS Environment) CPU Cycles:  TS2.1 4 cycles TS2.2 4 cycles TS2.3 4 cycles TS2.4 4 cycles TS2.5 4 cycles TS2.6 4 cycles TS2.7 4 cycles TS2.8 4 cycles
<b>Description</b>	Vector Description  TS2.1CwFound_Cnt_T_lgc min TS2.2CwFound_Cnt_T_lgc max TS2.3CcwFound_Cnt_T_lgc min TS2.4CcwFound_Cnt_T_lgc max TS2.5k_SoftStopEOTEnable_Cnt_lgc min/default TS2.6k_SoftStopEOTEnable_Cnt_lgc max TS2.7All Min TS2.8All Max

### Test Step 2.1 (Repeat Count = 1)

Name	Input Value			
CcwFound_Cnt_T_lgc	1			
CwFound_Cnt_T_lgc	0			
k_SoftStopEOTEnable_Cnt_lgc	1			
Name	Actual Value	Expected Value	Result	
EOTDetermination()	0	0	✓	

# TEST DETAILS REPORT

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EOTDetermination



## 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		
CwFound_Cnt_T_lgc	1		
CwFound_Cnt_T_lgc	1		
k_SoftStopEOTEnable_Cnt_lgc	0		
Name	Actual Value	Expected Value	Result
EOTDetermination()	0	0	✔

## 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		
CcwFound_Cnt_T_lgc	0		
CwFound_Cnt_T_lgc	0		
k_SoftStopEOTEnable_Cnt_lgc	1		
Name	Actual Value	Expected Value	Result
EOTDetermination()	0	0	✔

## 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		
CcwFound_Cnt_T_lgc	1		
CwFound_Cnt_T_lgc	0		
k_SoftStopEOTEnable_Cnt_lgc	0		
Name	Actual Value	Expected Value	Result
EOTDetermination()	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		
CcwFound_Cnt_T_lgc	0		
CwFound_Cnt_T_lgc	0		
k_SoftStopEOTEnable_Cnt_lgc	0		
Name	Actual Value	Expected Value	Result
EOTDetermination()	0	0	✓

## Test Step Call Trace

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

## Test Step 2.6 (Repeat Count = 1)

Name	Input Value
CwFound_Cnt_T_lgc	0
CwFound_Cnt_T_lgc	0

# TEST DETAILS REPORT

2015-06-29, 18:32:51+0530



EOTDetermination

Name	Input Value		
k_SoftStopEOTEnable_Cnt_Igc	1		
Name	Actual Value	Expected Value	Result
EOTDetermination()	0	0	✓

## Test Step Call Trace

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

## Test Step 2.7 (Repeat Count = 1)

Name	Input Value		
CwFound_Cnt_T_Igc	0		
CwFound_Cnt_T_Igc	0		
k_SoftStopEOTEnable_Cnt_Igc	0		
Name	Actual Value	Expected Value	Result
EOTDetermination()	0	0	✓

## Test Step Call Trace

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

## Test Step 2.8 (Repeat Count = 1)

Name	Input Value		
CwFound_Cnt_T_Igc	1		
CwFound_Cnt_T_Igc	1		
k_SoftStopEOTEnable_Cnt_Igc	1		
Name	Actual Value	Expected Value	Result
EOTDetermination()	1	1	✓

## Test Step Call Trace

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

## Test Case 3: Path Test

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

TS3.1 4 cycles  
TS3.2 4 cycles

**Description** Vector Description

TS3.1 ((bitwiseand(bitwiseand(CwFound\_Cnt\_T\_Igc, CwFound\_Cnt\_T\_Igc), k\_SoftStopEOTEnable\_Cnt\_Igc)) = 1) = True  
TS3.2((bitwiseand(bitwiseand(CwFound\_Cnt\_T\_Igc, CwFound\_Cnt\_T\_Igc), k\_SoftStopEOTEnable\_Cnt\_Igc)) = 1) = False

## Test Step 3.1 (Repeat Count = 1)

Name	Input Value		
CwFound_Cnt_T_Igc	1		
CwFound_Cnt_T_Igc	1		
k_SoftStopEOTEnable_Cnt_Igc	1		
Name	Actual Value	Expected Value	Result
EOTDetermination()	1	1	✓

## 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		
CwFound_Cnt_T_Igc	0		



# TEST DETAILS REPORT

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EOTDetermination

Name		Input Value		
CwFound_Cnt_T_lgc		0		
k_SoftStopEOTEnable_Cnt_lgc		0		
Name	Actual Value	Expected Value	Result	
EOTDetermination()	0	0	✓	

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

# TEST DETAILS REPORT

2015-06-29, 18:45:01+0530

SES\_DetLmtPos



Project	EOTActuatorMng
Module	EOTActuatorMng
Test Object	SES_DetLmtPos

## Instrumentation: Test Object Only

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

## Statistics

Total Testcases	3
Successful	3 ✓
Failed	0
Not Executed	0

## Module Properties

Project Root Directory	D:\Synergy_Work_Area\CBD_EOTActuatorMng\EOTActuatorMng
Configuration File	D:\Synergy_Work_Area\CBD_EOTActuatorMng\EOTActuatorMng\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)\NxtLib\src\interpolation.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -I\$(PROJECTROOT)\NxtLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\utp\contract\Ap_EOTActuatorMng -I\$(PROJECTROOT)\utp\contract -I\$(Compiler Install Path)\include
File	\$(PROJECTROOT)\src\Ap_EOTActuatorMng.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -I\$(PROJECTROOT)\NxtLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\utp\contract\Ap_EOTActuatorMng -I\$(PROJECTROOT)\utp\contract -I\$(Compiler Install Path)\include

## Comments/Description/Specification

Name	Text
Module 'EOTActuatorMng'	/*****Unit Test Description*****/ Name of Tester:Priti Manglekar Code File(s) Under Test:Ap_EOTActuatorMng.c Code File(s) Version:19 Module Design Document:End_of_Travel_Actuator_Management_MDD.docx Module Design Document Version:25 Data Dictionary Version:21 Unit Test Plan Version:11 Optimization Level:Level 2 Compiler (CodeGen) Version:TMS470_4.9.5 Model Type:Excel Macro Model Version:Nexteer EPS Unit Test Tool 2.7d/EPS Library 1.32 Total FLASH Used (Bytes):2914 Total RAM Used (Bytes):54 Total CALS Used (Bytes):170 Special Test Requirements: Test Date:6/29/2015 Comments:"NOTE 1: Inline functions defined in GlobalMacro.h are not unittested. NOTE 2: ""CBD_Sandbox_dbg.map"" is embedded for reference." /*****

Attributes	
Name	Value
Compiler Install Path	\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5
Float Precision	9
InitObjDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj
InitSrcDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd
Makefile Template	\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570.tpl
Target Install Path	\$(ProgramFiles)\pls\UDE 3.2
Time Unit	Cycles

# TEST DETAILS REPORT

2015-06-29, 18:45:01+0530

SES\_DefLmtPos



Attributes	
Name	Value
Timer Enabled	false
Timer Prescale	0
Timer Resolution	1
UDE Config File	\$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg
Workspace File	D:\Synergy_Work_Area\CBD_EOTActuatorMng\EOTActuatorMng\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

# TEST DETAILS REPORT

2015-06-29, 18:45:01+0530

SES\_DetLmtPos



## Test Case 1: Metrics Test

<b>Specification</b>	Performance Metrics (With "None" Instrumentation and WithPS Environment) CPU Cycles:  TS1.1 22 cycles TS1.2 32 cycles
<b>Description</b>	Vector Description  TS1.1"Shortest Execution Path: ((CwEOT_HwDeg_T_u12p4 < k_MinRackTrvl_HwDeg_u12p4) Or (CwEOT_HwDeg_T_u12p4 > k_MaxRackTrvl_HwDeg_u12p4)) ==> FALSE" TS1.2"Longest Execution Path: ((CwEOT_HwDeg_T_s11p4 < NegMaxRackTrvl_HwDeg_T_s11p4) Or (CwEOT_HwDeg_T_s11p4 > NegMinRackTrvl_HwDeg_T_s11p4)) ==> TRUE"

### Test Step 1.1 (Repeat Count = 1)

Name	Input Value		
CwEOT_HwDeg_T_f32	-900.200012		
CwEOT_HwDeg_T_f32	500.700012		
HandWheelPos_HwDeg_T_f32	1440.10999		
k_MaxRackTrvl_HwDeg_u12p4	14208		
k_MinRackTrvl_HwDeg_u12p4	6160		
Name	Actual Value	Expected Value	Result
SES_DetLmtPos()	500.700012	500.700012	✓

### 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		
CwEOT_HwDeg_T_f32	-1440.10999		
CwEOT_HwDeg_T_f32	100.300003		
HandWheelPos_HwDeg_T_f32	-1400.09998		
k_MaxRackTrvl_HwDeg_u12p4	7104		
k_MinRackTrvl_HwDeg_u12p4	14336		
Name	Actual Value	Expected Value	Result
SES_DetLmtPos()	-896	-896	✓

### Test Step Call Trace

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

# TEST DETAILS REPORT

2015-06-29, 18:45:01+0530

SES\_DetLmtPos



## Test Case 2: Boundary Test

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

TS2.1 27 cycles  
TS2.2 33 cycles  
TS2.3 33 cycles  
TS2.4 33 cycles  
TS2.5 37 cycles  
TS2.6 32 cycles  
TS2.7 33 cycles  
TS2.8 22 cycles  
TS2.9 27 cycles  
TS2.10 30 cycles  
TS2.11 22 cycles  
TS2.12 27 cycles  
TS2.13 30 cycles  
TS2.14 27 cycles  
TS2.15 21 cycles  
TS2.16 27 cycles  
TS2.17 32 cycles  
TS2.18 32 cycles  
TS2.19 32 cycles

**Description** Vector Description

TS2.1CwEOT1\_HwDeg\_T\_f32 min  
TS2.2CwEOT1\_HwDeg\_T\_f32 max  
TS2.3CwEOT1\_HwDeg\_T\_f32 zero  
TS2.4CwEOT1\_HwDeg\_T\_f32 min  
TS2.5CwEOT1\_HwDeg\_T\_f32max  
TS2.6CwEOT1\_HwDeg\_T\_f32 mid  
TS2.7HandWheelPos1\_HwDeg\_T\_f32 min  
TS2.8HandWheelPos1\_HwDeg\_T\_f32 max  
TS2.9HandWheelPos1\_HwDeg\_T\_f32 zero  
TS2.10HandWheelPos1\_HwDeg\_T\_f32 neg  
TS2.11HandWheelPos1\_HwDeg\_T\_f32 pos  
TS2.12k\_MaxRackTrvl\_HwDeg\_u12p4 min  
TS2.13k\_MaxRackTrvl\_HwDeg\_u12p4 max  
TS2.14k\_MaxRackTrvl\_HwDeg\_u12p4 mid/default  
TS2.15k\_MinRackTrvl\_HwDeg\_u12p4 min  
TS2.16k\_MinRackTrvl\_HwDeg\_u12p4 max  
TS2.17k\_MinRackTrvl\_HwDeg\_u12p4 mid/default  
TS2.18All min  
TS2.19All max

### Test Step 2.1 (Repeat Count = 1)

Name	Input Value			
CwEOT_HwDeg_T_f32	-1300.021			
CwEOT_HwDeg_T_f32	0			
HandWheelPos_HwDeg_T_f32	252.451004			
k_MaxRackTrvl_HwDeg_u12p4	1776			
k_MinRackTrvl_HwDeg_u12p4	5840			
Name	Actual Value	Expected Value	Result	
SES_DetLmtPos()	365	365	✓	

### 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			
CwEOT_HwDeg_T_f32	-1200.02295			
CwEOT_HwDeg_T_f32	1440.10999			
HandWheelPos_HwDeg_T_f32	250.987			
k_MaxRackTrvl_HwDeg_u12p4	3552			
k_MinRackTrvl_HwDeg_u12p4	15456			
Name	Actual Value	Expected Value	Result	
SES_DetLmtPos()	966	966	✓	

### 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			
CwEOT_HwDeg_T_f32	-1100.245			

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SES\_DetLmtPos

Name	Input Value		
CwEOT_HwDeg_T_f32	1000		
HandWheelPos_HwDeg_T_f32	150.154007		
k_MaxRackTrvl_HwDeg_u12p4	5328		
k_MinRackTrvl_HwDeg_u12p4	4400		
Name	Actual Value	Expected Value	Result
SES_DetLmtPos()	275	275	✓

## 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		
CwEOT_HwDeg_T_f32	-1440.10999		
CwEOT_HwDeg_T_f32	100.124001		
HandWheelPos_HwDeg_T_f32	-1400.62402		
k_MaxRackTrvl_HwDeg_u12p4	7104		
k_MinRackTrvl_HwDeg_u12p4	14336		
Name	Actual Value	Expected Value	Result
SES_DetLmtPos()	-896	-896	✓

## 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		
CwEOT_HwDeg_T_f32	0		
CwEOT_HwDeg_T_f32	200.524002		
HandWheelPos_HwDeg_T_f32	-1300.45801		
k_MaxRackTrvl_HwDeg_u12p4	8880		
k_MinRackTrvl_HwDeg_u12p4	4416		
Name	Actual Value	Expected Value	Result
SES_DetLmtPos()	-276	-276	✓

## Test Step Call Trace

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

## Test Step 2.6 (Repeat Count = 1)

Name	Input Value		
CwEOT_HwDeg_T_f32	-1000		
CwEOT_HwDeg_T_f32	300.85199		
HandWheelPos_HwDeg_T_f32	-1300.14697		
k_MaxRackTrvl_HwDeg_u12p4	10656		
k_MinRackTrvl_HwDeg_u12p4	11920		
Name	Actual Value	Expected Value	Result
SES_DetLmtPos()	-745	-745	✓

## Test Step Call Trace

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

## Test Step 2.7 (Repeat Count = 1)

Name	Input Value		
CwEOT_HwDeg_T_f32	-800.14801		
CwEOT_HwDeg_T_f32	400.960999		
HandWheelPos_HwDeg_T_f32	-1440.10999		
k_MaxRackTrvl_HwDeg_u12p4	12432		

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SES\_DetLmtPos

Name	Input Value		
k_MinRackTrvl_HwDeg_u12p4	2672		
Name	Actual Value	Expected Value	Result
SES_DetLmtPos()	-167	-167	✓

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

Test Step 2.8 (Repeat Count = 1)				
Name	Input Value			
CcwEOT_HwDeg_T_f32	-900.95697			
CwEOT_HwDeg_T_f32	500.157013			
HandWheelPos_HwDeg_T_f32	1440.10999			
k_MaxRackTrvl_HwDeg_u12p4	14208			
k_MinRackTrvl_HwDeg_u12p4	6160			
Name	Actual Value	Expected Value	Result	
SES_DetLmtPos()	500.157013	500.157013	✓	

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

Test Step 2.9 (Repeat Count = 1)				
Name	Input Value			
CcwEOT_HwDeg_T_f32	-700.351013			
CwEOT_HwDeg_T_f32	600.750977			
HandWheelPos_HwDeg_T_f32	0			
k_MaxRackTrvl_HwDeg_u12p4	15984			
k_MinRackTrvl_HwDeg_u12p4	13680			
Name	Actual Value	Expected Value	Result	
SES_DetLmtPos()	855	855	✓	

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			
CcwEOT_HwDeg_T_f32	-600.125427			
CwEOT_HwDeg_T_f32	700.473022			
HandWheelPos_HwDeg_T_f32	-500			
k_MaxRackTrvl_HwDeg_u12p4	16000			
k_MinRackTrvl_HwDeg_u12p4	6192			
Name	Actual Value	Expected Value	Result	
SES_DetLmtPos()	-600.125427	-600.125427	✓	

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

Test Step 2.11 (Repeat Count = 1)				
Name	Input Value			
CcwEOT_HwDeg_T_f32	-500.653992			
CwEOT_HwDeg_T_f32	800.950989			
HandWheelPos_HwDeg_T_f32	500			
k_MaxRackTrvl_HwDeg_u12p4	17776			
k_MinRackTrvl_HwDeg_u12p4	12064			
Name	Actual Value	Expected Value	Result	
SES_DetLmtPos()	800.950989	800.950989	✓	



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SES\_DetLmtPos



## 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		
CcwEOT_HwDeg_T_f32	-666.85199		
CwEOT_HwDeg_T_f32	111.752998		
HandWheelPos_HwDeg_T_f32	364.14801		
k_MaxRackTrvl_HwDeg_u12p4	0		
k_MinRackTrvl_HwDeg_u12p4	6048		
Name	Actual Value	Expected Value	Result
SES_DetLmtPos()	378	378	✔

## 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		
CcwEOT_HwDeg_T_f32	-555.453003		
CwEOT_HwDeg_T_f32	222.158997		
HandWheelPos_HwDeg_T_f32	-574.950989		
k_MaxRackTrvl_HwDeg_u12p4	23040		
k_MinRackTrvl_HwDeg_u12p4	7152		
Name	Actual Value	Expected Value	Result
SES_DetLmtPos()	-555.453003	-555.453003	✔

## 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		
CcwEOT_HwDeg_T_f32	-444.623993		
CwEOT_HwDeg_T_f32	333.356995		
HandWheelPos_HwDeg_T_f32	476.356995		
k_MaxRackTrvl_HwDeg_u12p4	9600		
k_MinRackTrvl_HwDeg_u12p4	10176		
Name	Actual Value	Expected Value	Result
SES_DetLmtPos()	636	636	✔

## 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		
CcwEOT_HwDeg_T_f32		-333.351013		
CwEOT_HwDeg_T_f32		444.756012		
HandWheelPos_HwDeg_T_f32		764.146973		
k_MaxRackTrvl_HwDeg_u12p4		19552		
k_MinRackTrvl_HwDeg_u12p4		0		
Name		Actual Value	Expected Value	Result
SES_DetLmtPos()		444.756012	444.756012	✓

# TEST DETAILS REPORT

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SES\_DetLmtPos



## 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		
CcwEOT_HwDeg_T_f32	-54.0125008		
CwEOT_HwDeg_T_f32	34.9539986		
HandWheelPos_HwDeg_T_f32	63.3689995		
k_MaxRackTrvl_HwDeg_u12p4	256		
k_MinRackTrvl_HwDeg_u12p4	23040		
Name	Actual Value	Expected Value	Result
SES_DetLmtPos()	1440	1440	✔

## 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		
CcwEOT_HwDeg_T_f32	-111.014801		
CwEOT_HwDeg_T_f32	666.153015		
HandWheelPos_HwDeg_T_f32	176.145004		
k_MaxRackTrvl_HwDeg_u12p4	2128		
k_MinRackTrvl_HwDeg_u12p4	8800		
Name	Actual Value	Expected Value	Result
SES_DetLmtPos()	550	550	✔

## 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		
CcwEOT_HwDeg_T_f32		-1440.10999		
CwEOT_HwDeg_T_f32		0		
HandWheelPos_HwDeg_T_f32		-1440.10999		
k_MaxRackTrvl_HwDeg_u12p4		0		
k_MinRackTrvl_HwDeg_u12p4		0		
Name		Actual Value	Expected Value	Result
SES_DetLmtPos()		0	0	✔

## 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		
CcwEOT_HwDeg_T_f32	0		
CwEOT_HwDeg_T_f32	1440.10999		
HandWheelPos_HwDeg_T_f32	1440.10999		
k_MaxRackTrvl_HwDeg_u12p4	23040		
k_MinRackTrvl_HwDeg_u12p4	23040		
Name	Actual Value	Expected Value	Result
SES_DetLmtPos()	1440	1440	✓

# TEST DETAILS REPORT

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SES\_DetLmtPos



## Test Step Call Trace

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

## Test Case 3: Path Test

<b>Specification</b>	Performance Metrics (With "None" Instrumentation and WithPS Environment) CPU Cycles:  TS3.1 33 cycles TS3.2 30 cycles TS3.3 36 cycles TS3.4 27 cycles TS3.5 22 cycles TS3.6 33 cycles
<b>Description</b>	Vector Description  TS3.1"(HandWheelPos1_HwDeg_T_f32 < D_ZERO_ULS_F32)=TRUE AND (CcwEOT_HwDeg_T_s11p4 < NegMaxRackTrvl_HwDeg_T_s11p4) Or (CcwEOT_HwDeg_T_s11p4 > NegMinRackTrvl_HwDeg_T_s11p4))=TRUE" TS3.2"(HandWheelPos1_HwDeg_T_f32 < D_ZERO_ULS_F32)=TRUE AND (CcwEOT_HwDeg_T_s11p4 < NegMaxRackTrvl_HwDeg_T_s11p4) Or (CcwEOT_HwDeg_T_s11p4 > NegMinRackTrvl_HwDeg_T_s11p4))=FALSE" TS3.3"(HandWheelPos1_HwDeg_T_f32 < D_ZERO_ULS_F32)=TRUE AND (CcwEOT_HwDeg_T_s11p4 < NegMaxRackTrvl_HwDeg_T_s11p4) Or (CcwEOT_HwDeg_T_s11p4 > NegMinRackTrvl_HwDeg_T_s11p4))=TRUE" TS3.4"(HandWheelPos1_HwDeg_T_f32 < D_ZERO_ULS_F32)=FALSE AND ((CcwEOT_HwDeg_T_u12p4 < k_MinRackTrvl_HwDeg_u12p4) Or (CcwEOT_HwDeg_T_u12p4 > k_MaxRackTrvl_HwDeg_u12p4))=TRUE" TS3.5"(HandWheelPos1_HwDeg_T_f32 < D_ZERO_ULS_F32)=FALSE AND ((CcwEOT_HwDeg_T_u12p4 < k_MinRackTrvl_HwDeg_u12p4) Or (CcwEOT_HwDeg_T_u12p4 > k_MaxRackTrvl_HwDeg_u12p4))=FALSE" TS3.6"(HandWheelPos1_HwDeg_T_f32 < D_ZERO_ULS_F32)=FALSE AND ((CcwEOT_HwDeg_T_u12p4 < k_MinRackTrvl_HwDeg_u12p4) Or (CcwEOT_HwDeg_T_u12p4 > k_MaxRackTrvl_HwDeg_u12p4))=TRUE"

## Test Step 3.1 (Repeat Count = 1)

Name	Input Value		
CcwEOT_HwDeg_T_f32	-600		
CwEOT_HwDeg_T_f32	1440.10999		
HandWheelPos_HwDeg_T_f32	-250		
k_MaxRackTrvl_HwDeg_u12p4	8800		
k_MinRackTrvl_HwDeg_u12p4	8800		
Name	Actual Value	Expected Value	Result
SES_DetLmtPos()	-550	-550	✔

## 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		
CcwEOT_HwDeg_T_f32	-550		
CwEOT_HwDeg_T_f32	1000		
HandWheelPos_HwDeg_T_f32	-300		
k_MaxRackTrvl_HwDeg_u12p4	8800		
k_MinRackTrvl_HwDeg_u12p4	8800		
Name	Actual Value	Expected Value	Result
SES_DetLmtPos()	-550	-550	✔

## Test Step Call Trace

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

# TEST DETAILS REPORT

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SES\_DetLmtPos



Test Step 3.3 (Repeat Count = 1)				✓
Name	Input Value			
CwEOT_HwDeg_T_f32	-34.375			
CwEOT_HwDeg_T_f32	1000			
HandWheelPos_HwDeg_T_f32	-300			
k_MaxRackTrvl_HwDeg_u12p4	8800			
k_MinRackTrvl_HwDeg_u12p4	8800			
Name	Actual Value	Expected Value	Result	
SES_DetLmtPos()	-550	-550		✓

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			
CwEOT_HwDeg_T_f32	-200			
CwEOT_HwDeg_T_f32	100			
HandWheelPos_HwDeg_T_f32	400			
k_MaxRackTrvl_HwDeg_u12p4	8800			
k_MinRackTrvl_HwDeg_u12p4	8800			
Name	Actual Value	Expected Value	Result	
SES_DetLmtPos()	550	550		✓

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			
CwEOT_HwDeg_T_f32	-300			
CwEOT_HwDeg_T_f32	550			
HandWheelPos_HwDeg_T_f32	500			
k_MaxRackTrvl_HwDeg_u12p4	8800			
k_MinRackTrvl_HwDeg_u12p4	8800			
Name	Actual Value	Expected Value	Result	
SES_DetLmtPos()	550	550		✓

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			
CwEOT_HwDeg_T_f32	-400			
CwEOT_HwDeg_T_f32	560			
HandWheelPos_HwDeg_T_f32	600			
k_MaxRackTrvl_HwDeg_u12p4	8800			
k_MinRackTrvl_HwDeg_u12p4	8800			
Name	Actual Value	Expected Value	Result	
SES_DetLmtPos()	550	550		✓

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

# TEST DETAILS REPORT

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EOTOrigImpact



Project	EOTActuatorMng
Module	EOTActuatorMng
Test Object	EOTOrigImpact

## Instrumentation: Test Object Only

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

## Statistics

Total Testcases	3
Successful	3 ✓
Failed	0
Not Executed	0

## Module Properties

Project Root Directory	D:\Synergy_Work_Area\CBD_EOTActuatorMng\EOTActuatorMng
Configuration File	D:\Synergy_Work_Area\CBD_EOTActuatorMng\EOTActuatorMng\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)\NxtLib\src\interpolation.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -I\$(PROJECTROOT)\NxtLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\utp\contract\Ap_EOTActuatorMng -I\$(PROJECTROOT)\utp\contract -I\$(Compiler Install Path)\include
File	\$(PROJECTROOT)\src\Ap_EOTActuatorMng.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -I\$(PROJECTROOT)\NxtLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\utp\contract\Ap_EOTActuatorMng -I\$(PROJECTROOT)\utp\contract -I\$(Compiler Install Path)\include

## Comments/Description/Specification

Name	Text
Module 'EOTActuatorMng'	/*****Unit Test Description*****/ Name of Tester:Priti Manglekar Code File(s) Under Test:Ap_EOTActuatorMng.c Code File(s) Version:19 Module Design Document:End_of_Travel_Actuator_Management_MDD.docx Module Design Document Version:25 Data Dictionary Version:21 Unit Test Plan Version:11 Optimization Level:Level 2 Compiler (CodeGen) Version:TMS470_4.9.5 Model Type:Excel Macro Model Version:Nexteer EPS Unit Test Tool 2.7d/EPS Library 1.32 Total FLASH Used (Bytes):2914 Total RAM Used (Bytes):54 Total CALS Used (Bytes):170 Special Test Requirements: Test Date:6/29/2015 Comments:"NOTE 1: Inline functions defined in GlobalMacro.h are not untested. NOTE 2: ""CBD_Sandbox_dbg.map"" is embedded for reference." /*****

## Attributes

Name	Value
Compiler Install Path	\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5
Float Precision	9
InitObjDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj
InitSrcDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd
Makefile Template	\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570.tpl
Target Install Path	\$(ProgramFiles)\pls\UDE 3.2
Time Unit	Cycles

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EOTOrigImpact



Attributes	
Name	Value
Timer Enabled	false
Timer Prescale	0
Timer Resolution	1
UDE Config File	\$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg
Workspace File	D:\Synergy_Work_Area\CBD_EOTActuatorMng\EOTActuatorMng\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

# TEST DETAILS REPORT

EOTOrigImpact

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## Test Case 1: Metrics Test

<b>Specification</b>	Performance Metrics (With "None" Instrumentation and WithPS Environment) CPU Cycles:  TS1.1 136 cycles TS1.2 190 cycles
<b>Description</b>	Vector Description  TS1.1"Shotest Execution Path: (HandWheelAuth_Uls_T_f32 < D_HWPOSAUTHHILMT_ULS_F32) ==> FALSE; (HandWheelPos_HwDeg_T_f32 < D_ZERO_ULS_F32) ==> FALSE; (DeltaAstEOTLmt_MtrRadpS_T_f32 < D_ZERO_ULS_F32) ==> FALSE; (VehicleSpeed3_Kph_T_f32 > FPM_FixedToFloat_m(k_EOTImpSpdEn_Kph_u9p7, u9p7_T)) ==> FALSE" TS1.2"Longest Execution Path: Abs_m(HwPosDiff_HwDeg_T_f32) > FPM_FixedToFloat_m(k_PosRampStep_HwDeg_u12p4, u12p4_T) ==> FALSE; (HandWheelPos_HwDeg_T_f32 < D_ZERO_ULS_F32) ==> TRUE; (DeltaAstEOTLmt_MtrRadpS_T_f32 < D_ZERO_ULS_F32) ==> TRUE; (VehicleSpeed3_Kph_T_f32 > FPM_FixedToFloat_m(k_EOTImpSpdEn_Kph_u9p7, u9p7_T)) ==> TRUE"

## Test Step 1.1 (Repeat Count = 1)

Name	Input Value			
CwEOT_HwDeg_T_f32	-100.010002			
CwEOT_HwDeg_T_f32	0			
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	350.600006			
HandWheelAuth_Uls_T_f32	0.100000001			
HandWheelPos_HwDeg_T_f32	1.5			
MotorVel_MtrRadpS_T_f32	25.3999996			
VehicleSpeed_Kph_T_f32	0			
k_EOTDefltPosition_HwDeg_u12p4	3200			
k_EOTImpSpdEn_Kph_u9p7	1280			
k_PosRampStep_HwDeg_u12p4	10848			
k_SpdIptScale_MtrNmpRadpS_u4p12	0			
t_SpdIptTbIXTbI_HwDeg_u12p4[0]	128			
t_SpdIptTbIXTbI_HwDeg_u12p4[1]	160			
t_SpdIptTbIYTbI_MtrRadpS_u12p4[0]	448			
t_SpdIptTbIYTbI_MtrRadpS_u12p4[1]	320			
Name	Actual Value	Expected Value	Result	
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	200	200 ± 0.0000390625	✓	
EOTOrigImpact()	0	0 ± 0.0078125	✓	

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

## Test Step 1.2 (Repeat Count = 1)

Name	Input Value			
CwEOT_HwDeg_T_f32	0			
CwEOT_HwDeg_T_f32	1100.09998			
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	110.199997			
HandWheelAuth_Uls_T_f32	1			
HandWheelPos_HwDeg_T_f32	-1.5			
MotorVel_MtrRadpS_T_f32	1.5			
VehicleSpeed_Kph_T_f32	40.2000008			
k_EOTDefltPosition_HwDeg_u12p4	1600			
k_EOTImpSpdEn_Kph_u9p7	3840			
k_PosRampStep_HwDeg_u12p4	48			
k_SpdIptScale_MtrNmpRadpS_u4p12	80			
t_SpdIptTbIXTbI_HwDeg_u12p4[0]	1600			
t_SpdIptTbIXTbI_HwDeg_u12p4[1]	1952			
t_SpdIptTbIYTbI_MtrRadpS_u12p4[0]	480			
t_SpdIptTbIYTbI_MtrRadpS_u12p4[1]	336			
Name	Actual Value	Expected Value	Result	
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	107.199997	107.199997 ± 0.0000390625	✓	
EOTOrigImpact()	8.80000019	8.80000019 ± 0.0078125	✓	

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓





## Test Case 2: Boundary test

## Specification

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

TS2.1 136 cycles  
TS2.2 136 cycles  
TS2.3 136 cycles  
TS2.4 165 cycles  
TS2.5 164 cycles  
TS2.6 153 cycles  
TS2.7 156 cycles  
TS2.8 148 cycles  
TS2.9 161 cycles  
TS2.10 150 cycles  
TS2.11 143 cycles  
TS2.12 163 cycles  
TS2.13 143 cycles  
TS2.14 139 cycles  
TS2.15 181 cycles  
TS2.16 175 cycles  
TS2.17 176 cycles  
TS2.18 176 cycles  
TS2.19 148 cycles  
TS2.20 174 cycles  
TS2.21 165 cycles  
TS2.22 160 cycles  
TS2.23 164 cycles  
TS2.24 136 cycles  
TS2.25 153 cycles  
TS2.26 136 cycles  
TS2.27 153 cycles  
TS2.28 136 cycles  
TS2.29 153 cycles  
TS2.30 154 cycles  
TS2.31 154 cycles  
TS2.32 126 cycles  
TS2.33 164 cycles  
TS2.34 136 cycles  
TS2.35 164 cycles  
TS2.36 147 cycles  
TS2.37 164 cycles  
TS2.38 147 cycles  
TS2.39 153 cycles  
TS2.40 136 cycles  
TS2.41 181 cycles  
TS2.42 177 cycles  
TS2.43 193 cycles  
TS2.44 143 cycles  
TS2.45 163 cycles

## Description

Vector Description

TS2.1CwEOT\_HwDeg\_T\_f32 min  
TS2.2CwEOT\_HwDeg\_T\_f32 max  
TS2.3CwEOT\_HwDeg\_T\_f32 pos  
TS2.4CwEOT\_HwDeg\_T\_f32 min  
TS2.5CwEOT\_HwDeg\_T\_f32 max  
TS2.6CwEOT\_HwDeg\_T\_f32 mid  
TS2.7HandWheelAuth\_Uls\_T\_f32 min  
TS2.8HandWheelAuth\_Uls\_T\_f32 max  
TS2.9HandWheelAuth\_Uls\_T\_f32 pos  
TS2.10MotorVel\_MtrRadpS\_T\_f32 min  
TS2.11MotorVel\_MtrRadpS\_T\_f32 max  
TS2.12MotorVel\_MtrRadpS\_T\_f32 zero  
TS2.13MotorVel\_MtrRadpS\_T\_f32 neg  
TS2.14MotorVel\_MtrRadpS\_T\_f32 pos  
TS2.15HandWheelPos\_HwDeg\_T\_f32 min  
TS2.16HandWheelPos\_HwDeg\_T\_f32 max  
TS2.17HandWheelPos\_HwDeg\_T\_f32 zero  
TS2.18HandWheelPos\_HwDeg\_T\_f32 neg  
TS2.19HandWheelPos\_HwDeg\_T\_f32 pos  
TS2.20VehicleSpeed3\_Kph\_T\_f32 min  
TS2.21VehicleSpeed3\_Kph\_T\_f32 max  
TS2.22VehicleSpeed3\_Kph\_T\_f32 pos  
TS2.23EOTImpactPos\_HwDeg\_M\_f32 min  
TS2.24EOTImpactPos\_HwDeg\_M\_f32 max  
TS2.25EOTImpactPos\_HwDeg\_M\_f32 pos  
TS2.26k\_EOTDefltPosition\_HwDeg\_u12p4 min  
TS2.27k\_EOTDefltPosition\_HwDeg\_u12p4 max  
TS2.28k\_EOTDefltPosition\_HwDeg\_u12p4 mid/default  
TS2.29t\_SpdIptTbIXTbI\_HwDeg\_u12p4[2] min  
TS2.30t\_SpdIptTbIXTbI\_HwDeg\_u12p4[2] max  
TS2.31t\_SpdIptTbIXTbI\_HwDeg\_u12p4[2] mid  
TS2.32t\_SpdIptTbIYTbI\_MtrRadpS\_u12p4[2] min  
TS2.33t\_SpdIptTbIYTbI\_MtrRadpS\_u12p4[2] max  
TS2.34t\_SpdIptTbIYTbI\_MtrRadpS\_u12p4[2] mid  
TS2.35k\_SpdIptScale\_MtrNmpRadpS\_u4p12 min  
TS2.36k\_SpdIptScale\_MtrNmpRadpS\_u4p12 max  
TS2.37k\_SpdIptScale\_MtrNmpRadpS\_u4p12 mid/default  
TS2.38k\_EOTImpSpdEn\_Kph\_u9p7 min  
TS2.39k\_EOTImpSpdEn\_Kph\_u9p7 max  
TS2.40k\_EOTImpSpdEn\_Kph\_u9p7 mid/default  
TS2.41k\_PosRampStep\_HwDeg\_u12p4 min  
TS2.42k\_PosRampStep\_HwDeg\_u12p4 max  
TS2.43k\_PosRampStep\_HwDeg\_u12p4 mid/default  
TS2.44All min  
TS2.45All max

# TEST DETAILS REPORT

EOTOrigImpact

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## Test Step 2.1 (Repeat Count = 1)

Name	Input Value		
CcwEOT_HwDeg_T_f32	-100.568001		
CwEOT_HwDeg_T_f32	0		
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	350.658386		
HandWheelAuth_Uls_T_f32	0.100000001		
HandWheelPos_HwDeg_T_f32	940.020996		
MotorVel_MtrRadpS_T_f32	0.5		
VehicleSpeed_Kph_T_f32	10.2449999		
k_EOTDefltPosition_HwDeg_u12p4	3200		
k_EOTImpSpdEn_Kph_u9p7	1280		
k_PosRampStep_HwDeg_u12p4	10848		
k_SpdIptScale_MtrNmpRadpS_u4p12	0		
t_SpdIptTbIXTbI_HwDeg_u12p4[0]	128		
t_SpdIptTbIXTbI_HwDeg_u12p4[1]	160		
t_SpdIptTbIYTbI_MtrRadpS_u12p4[0]	320		
t_SpdIptTbIYTbI_MtrRadpS_u12p4[1]	448		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	200	200	✓
EOTOrigImpact()	8.80000019	8.80000019	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

## Test Step 2.2 (Repeat Count = 1)

Name	Input Value		
CcwEOT_HwDeg_T_f32	-200.574997		
CwEOT_HwDeg_T_f32	1440.10999		
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	250.354095		
HandWheelAuth_Uls_T_f32	0.200000003		
HandWheelPos_HwDeg_T_f32	900.02301		
MotorVel_MtrRadpS_T_f32	-0.5		
VehicleSpeed_Kph_T_f32	0.100000001		
k_EOTDefltPosition_HwDeg_u12p4	4800		
k_EOTImpSpdEn_Kph_u9p7	2560		
k_PosRampStep_HwDeg_u12p4	2016		
k_SpdIptScale_MtrNmpRadpS_u4p12	8		
t_SpdIptTbIXTbI_HwDeg_u12p4[0]	160		
t_SpdIptTbIXTbI_HwDeg_u12p4[1]	176		
t_SpdIptTbIYTbI_MtrRadpS_u12p4[0]	336		
t_SpdIptTbIYTbI_MtrRadpS_u12p4[1]	480		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	300	300	✓
EOTOrigImpact()	0.0400390625	0.0400390625	✓

## 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
CwEOT_HwDeg_T_f32	-300.024994
CwEOT_HwDeg_T_f32	1000.09998
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	150.783997
HandWheelAuth_Uls_T_f32	0.300000012
HandWheelPos_HwDeg_T_f32	800.254028
MotorVel_MtrRadpS_T_f32	0.100000001
VehicleSpeed_Kph_T_f32	0.0500000007
k_EOTDefltPosition_HwDeg_u12p4	6400
k_EOTImpSpdEn_Kph_u9p7	3840
k_PosRampStep_HwDeg_u12p4	5696
k_SpdIptScale_MtrNmpRadpS_u4p12	16
t_SpdIptTbIXTbI_HwDeg_u12p4[0]	192
t_SpdIptTbIXTbI_HwDeg_u12p4[1]	208
t_SpdIptTbIYTbI_MtrRadpS_u12p4[0]	352

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EOTOrigImpact

Name	Input Value		
t_SpdIptTblyTbly_MtrRadpS_u12p4[1]	512		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	400	400	✓
EOTOrigImpact()	0.0855468735	0.0855468735	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

## Test Step 2.4 (Repeat Count = 1)

Name	Input Value		
CwEOT_HwDeg_T_f32	-1440.10999		
CwEOT_HwDeg_T_f32	900.213989		
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	770.054016		
HandWheelAuth_Uls_T_f32	1		
HandWheelPos_HwDeg_T_f32	-650.453979		
MotorVel_MtrRadpS_T_f32	-0.100000001		
VehicleSpeed_Kph_T_f32	20.4155998		
k_EOTDefltPosition_HwDeg_u12p4	8000		
k_EOTImpSpdEn_Kph_u9p7	5120		
k_PosRampStep_HwDeg_u12p4	10816		
k_SpdIptScale_MtrNmpRadpS_u4p12	24		
t_SpdIptTblyTbly_HwDeg_u12p4[0]	208		
t_SpdIptTblyTbly_HwDeg_u12p4[1]	224		
t_SpdIptTblyTbly_MtrRadpS_u12p4[0]	368		
t_SpdIptTblyTbly_MtrRadpS_u12p4[1]	544		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	650.453979	650.453979	✓
EOTOrigImpact()	0.134179682	0.134179682	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

## Test Step 2.5 (Repeat Count = 1)

Name	Input Value		
CwEOT_HwDeg_T_f32	0		
CwEOT_HwDeg_T_f32	800.35199		
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	660.015381		
HandWheelAuth_Uls_T_f32	0.800000012		
HandWheelPos_HwDeg_T_f32	-680.851013		
MotorVel_MtrRadpS_T_f32	0.200000003		
VehicleSpeed_Kph_T_f32	15.4560003		
k_EOTDefltPosition_HwDeg_u12p4	9600		
k_EOTImpSpdEn_Kph_u9p7	6400		
k_PosRampStep_HwDeg_u12p4	4096		
k_SpdIptScale_MtrNmpRadpS_u4p12	32		
t_SpdIptTblyTbly_HwDeg_u12p4[0]	224		
t_SpdIptTblyTbly_HwDeg_u12p4[1]	256		
t_SpdIptTblyTbly_MtrRadpS_u12p4[0]	384		
t_SpdIptTblyTbly_MtrRadpS_u12p4[1]	576		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	600	600	✓
EOTOrigImpact()	0.279687494	0.279687494	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

## Test Step 2.6 (Repeat Count = 1)

Name	Input Value		
CwEOT_HwDeg_T_f32	-1000.09998		
CwEOT_HwDeg_T_f32	700.572021		

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EOTOrigImpact

Name	Input Value		
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	550.36499		
HandWheelAuth_Uls_T_f32	0.899999976		
HandWheelPos_HwDeg_T_f32	-780.453979		
MotorVel_MtrRadpS_T_f32	-0.200000003		
VehicleSpeed_Kph_T_f32	0.0149999997		
k_EOTDefltPosition_HwDeg_u12p4	11200		
k_EOTImpSpdEn_Kph_u9p7	7680		
k_PosRampStep_HwDeg_u12p4	9008		
k_SpdIptScale_MtrNmpRadpS_u4p12	39		
t_SpdIptTbIXTbI_HwDeg_u12p4[0]	240		
t_SpdIptTbIXTbI_HwDeg_u12p4[1]	288		
t_SpdIptTbIYTbI_MtrRadpS_u12p4[0]	400		
t_SpdIptTbIYTbI_MtrRadpS_u12p4[1]	608		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	700	700	✔
EOTOrigImpact()	0.236132801	0.236132815	✔

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

Test Step 2.7 (Repeat Count = 1)				
Name		Input Value		
CcwEOT_HwDeg_T_f32		-400.054993		
CwEOT_HwDeg_T_f32		600.125977		
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32		220.645004		
HandWheelAuth_Uls_T_f32		0		
HandWheelPos_HwDeg_T_f32		-400.518005		
MotorVel_MtrRadpS_T_f32		650		
VehicleSpeed_Kph_T_f32		12.4636002		
k_EOTDefltPosition_HwDeg_u12p4		12800		
k_EOTImpSpdEn_Kph_u9p7		8960		
k_PosRampStep_HwDeg_u12p4		5536		
k_SpdIptScale_MtrNmpRadpS_u4p12		47		
t_SpdIptTbIXTbI_HwDeg_u12p4[0]		256		
t_SpdIptTbIXTbI_HwDeg_u12p4[1]		320		
t_SpdIptTbIYTbI_MtrRadpS_u12p4[0]		416		
t_SpdIptTbIYTbI_MtrRadpS_u12p4[1]		640		
Name	Actual Value	Expected Value	Result	
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	800	800		
EOTOrigImpact()	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 2.8 (Repeat Count = 1)				
Name		Input Value		
CcwEOT_HwDeg_T_f32		-500.053986		
CwEOT_HwDeg_T_f32		500.950989		
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32		110.141998		
HandWheelAuth_Uls_T_f32		1		
HandWheelPos_HwDeg_T_f32		400.643005		
MotorVel_MtrRadpS_T_f32		0.300000012		
VehicleSpeed_Kph_T_f32		11.4659996		
k_EOTDefltPosition_HwDeg_u12p4		1776		
k_EOTImpSpdEn_Kph_u9p7		10240		
k_PosRampStep_HwDeg_u12p4		7456		
k_SpdIptScale_MtrNmpRadpS_u4p12		55		
t_SpdIptTbIXTbI_HwDeg_u12p4[0]		272		
t_SpdIptTbIXTbI_HwDeg_u12p4[1]		352		
t_SpdIptTbIYTbI_MtrRadpS_u12p4[0]		432		
t_SpdIptTbIYTbI_MtrRadpS_u12p4[1]		672		
Name		Actual Value	Expected Value	Result
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32		400.643005	400.643005	✓
EOTOrigImpact()		0.358520508	0.358520508	✓

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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 2.9 (Repeat Count = 1)

Name	Input Value		
CcwEOT_HwDeg_T_f32	-10.8540001		
CwEOT_HwDeg_T_f32	400.356995		
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	100.153999		
HandWheelAuth_Uls_T_f32	0.5		
HandWheelPos_HwDeg_T_f32	-300.987		
MotorVel_MtrRadpS_T_f32	-0.300000012		
VehicleSpeed_Kph_T_f32	9.46539974		
k_EOTDefltPosition_HwDeg_u12p4	3552		
k_EOTImpSpdEn_Kph_u9p7	11520		
k_PosRampStep_HwDeg_u12p4	10976		
k_SpdIptScale_MtrNmpRadpS_u4p12	63		
t_SpdIptTbIXTbI_HwDeg_u12p4[0]	288		
t_SpdIptTbIXTbI_HwDeg_u12p4[1]	384		
t_SpdIptTbIYTbI_MtrRadpS_u12p4[0]	448		
t_SpdIptTbIYTbI_MtrRadpS_u12p4[1]	704		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	222	222	✓
EOTOrigImpact()	0.672143579	0.672143579	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

## Test Step 2.10 (Repeat Count = 1)

Name	Input Value		
CcwEOT_HwDeg_T_f32	-700.122986		
CwEOT_HwDeg_T_f32	300.156006		
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	200.725006		
HandWheelAuth_Uls_T_f32	1		
HandWheelPos_HwDeg_T_f32	300.125		
MotorVel_MtrRadpS_T_f32	-1350		
VehicleSpeed_Kph_T_f32	8.46459961		
k_EOTDefltPosition_HwDeg_u12p4	5328		
k_EOTImpSpdEn_Kph_u9p7	13440		
k_PosRampStep_HwDeg_u12p4	2624		
k_SpdIptScale_MtrNmpRadpS_u4p12	70		
t_SpdIptTbIXTbI_HwDeg_u12p4[0]	304		
t_SpdIptTbIXTbI_HwDeg_u12p4[1]	416		
t_SpdIptTbIYTbI_MtrRadpS_u12p4[0]	464		
t_SpdIptTbIYTbI_MtrRadpS_u12p4[1]	736		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	300.125	300.125	✓
EOTOrigImpact()	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 2.11 (Repeat Count = 1)

Name	Input Value
CcwEOT_HwDeg_T_f32	-800.257019
CwEOT_HwDeg_T_f32	200.354004
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	300.144012
HandWheelAuth_Uls_T_f32	0.419999987
HandWheelPos_HwDeg_T_f32	-200.546005
MotorVel_MtrRadpS_T_f32	1350
VehicleSpeed_Kph_T_f32	7.46470022

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Name	Input Value		
k_EOTDefltPosition_HwDeg_u12p4	7104		
k_EOTImpSpdEn_Kph_u9p7	19584		
k_PosRampStep_HwDeg_u12p4	12256		
k_SpdIptScale_MtrNmpRadpS_u4p12	78		
t_SpdIptTbIXTbI_HwDeg_u12p4[0]	320		
t_SpdIptTbIXTbI_HwDeg_u12p4[1]	448		
t_SpdIptTbIYTbI_MtrRadpS_u12p4[0]	480		
t_SpdIptTbIYTbI_MtrRadpS_u12p4[1]	768		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	444	444	✔
EOTOrigImpact()	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 2.12 (Repeat Count = 1)				
Name		Input Value		
CcwEOT_HwDeg_T_f32		-10.1540003		
CwEOT_HwDeg_T_f32		400.984985		
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32		100.853996		
HandWheelAuth_Uls_T_f32		0.5		
HandWheelPos_HwDeg_T_f32		-300.563995		
MotorVel_MtrRadpS_T_f32		0		
VehicleSpeed_Kph_T_f32		9.85400009		
k_EOTDefltPosition_HwDeg_u12p4		3552		
k_EOTImpSpdEn_Kph_u9p7		11520		
k_PosRampStep_HwDeg_u12p4		10976		
k_SpdIptScale_MtrNmpRadpS_u4p12		86		
t_SpdIptTbIXTbI_HwDeg_u12p4[0]		336		
t_SpdIptTbIXTbI_HwDeg_u12p4[1]		480		
t_SpdIptTbIYTbI_MtrRadpS_u12p4[0]		496		
t_SpdIptTbIYTbI_MtrRadpS_u12p4[1]		800		
Name	Actual Value	Expected Value	Result	
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	222	222		
EOTOrigImpact()	1.04980469	1.04980469		

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

Test Step 2.13 (Repeat Count = 1)				
Name		Input Value		
CcwEOT_HwDeg_T_f32		-1100.25		
CwEOT_HwDeg_T_f32		50.3510017		
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32		500.984009		
HandWheelAuth_Uls_T_f32		0.620000005		
HandWheelPos_HwDeg_T_f32		-100.463997		
MotorVel_MtrRadpS_T_f32		-500.100006		
VehicleSpeed_Kph_T_f32		5.32399988		
k_EOTDefltPosition_HwDeg_u12p4		10656		
k_EOTImpSpdEn_Kph_u9p7		14208		
k_PosRampStep_HwDeg_u12p4		5840		
k_SpdIptScale_MtrNmpRadpS_u4p12		94		
t_SpdIptTbIXTbI_HwDeg_u12p4[0]		352		
t_SpdIptTbIXTbI_HwDeg_u12p4[1]		512		
t_SpdIptTbIYTbI_MtrRadpS_u12p4[0]		512		
t_SpdIptTbIYTbI_MtrRadpS_u12p4[1]		832		
Name	Actual Value	Expected Value	Result	
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	666	666	✓	
EOTOrigImpact()	0	0	✓	

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



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## Test Step 2.14 (Repeat Count = 1)

Name	Input Value		
CcwEOT_HwDeg_T_f32	-1200.14001		
CwEOT_HwDeg_T_f32	150.154007		
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	600.651001		
HandWheelAuth_Uls_T_f32	1		
HandWheelPos_HwDeg_T_f32	100.466003		
MotorVel_MtrRadpS_T_f32	500.100006		
VehicleSpeed_Kph_T_f32	4.02409983		
k_EOTDefltPosition_HwDeg_u12p4	12432		
k_EOTImpSpdEn_Kph_u9p7	20992		
k_PosRampStep_HwDeg_u12p4	12384		
k_SpdIptScale_MtrNmpRadpS_u4p12	102		
t_SpdIptTbIXTbI_HwDeg_u12p4[0]	368		
t_SpdIptTbIXTbI_HwDeg_u12p4[1]	544		
t_SpdIptTbIYTbI_MtrRadpS_u12p4[0]	528		
t_SpdIptTbIYTbI_MtrRadpS_u12p4[1]	864		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	100.466003	100.466003	✔
EOTOrigImpact()	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 2.15 (Repeat Count = 1)

Name	Input Value		
CcwEOT_HwDeg_T_f32	-1300.34998		
CwEOT_HwDeg_T_f32	250.850998		
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	700.349976		
HandWheelAuth_Uls_T_f32	1		
HandWheelPos_HwDeg_T_f32	-1440.10999		
MotorVel_MtrRadpS_T_f32	0.400000006		
VehicleSpeed_Kph_T_f32	3.35019994		
k_EOTDefltPosition_HwDeg_u12p4	1408		
k_EOTImpSpdEn_Kph_u9p7	15744		
k_PosRampStep_HwDeg_u12p4	10288		
k_SpdIptScale_MtrNmpRadpS_u4p12	109		
t_SpdIptTbIXTbI_HwDeg_u12p4[0]	384		
t_SpdIptTbIXTbI_HwDeg_u12p4[1]	576		
t_SpdIptTbIYTbI_MtrRadpS_u12p4[0]	544		
t_SpdIptTbIYTbI_MtrRadpS_u12p4[1]	896		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	1343.34998	1343.34998 ± 0.0000390625	✔
EOTOrigImpact()	1.47958982	1.47958982 ± 0.0078125	✔

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

## Test Step 2.16 (Repeat Count = 1)

Name	Input Value
CwEOT_HwDeg_T_f32	-1400.84998
CwEOT_HwDeg_T_f32	390.15799
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	800.15802
HandWheelAuth_Uls_T_f32	1
HandWheelPos_HwDeg_T_f32	1440.10999
MotorVel_MtrRadpS_T_f32	-0.400000006
VehicleSpeed_Kph_T_f32	2.08739996
k_EOTDefltPosition_HwDeg_u12p4	4240
k_EOTImpSpdEn_Kph_u9p7	18560
k_PosRampStep_HwDeg_u12p4	3200
k_SpdIptScale_MtrNmpRadpS_u4p12	117
t_SpdIptTbIXTbI_HwDeg_u12p4[0]	400

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Name	Input Value		
t_SpdIptTbIXTbI_HwDeg_u12p4[1]	608		
t_SpdIptTbIYTbI_MtrRadpS_u12p4[0]	560		
t_SpdIptTbIYTbI_MtrRadpS_u12p4[1]	928		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	1000.15802	1000.15802	✔
EOTOrigImpact()	1.64531243	1.64531255	✔

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

Test Step 2.17 (Repeat Count = 1)				✓
Name		Input Value		
CcwEOT_HwDeg_T_f32		-150.751999		
CwEOT_HwDeg_T_f32		450.356995		
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32		900.354004		
HandWheelAuth_Uls_T_f32		1		
HandWheelPos_HwDeg_T_f32		0		
MotorVel_MtrRadpS_T_f32		0.600000024		
VehicleSpeed_Kph_T_f32		1.03540003		
k_EOTDefltPosition_HwDeg_u12p4		1968		
k_EOTImpSpdEn_Kph_u9p7		21376		
k_PosRampStep_HwDeg_u12p4		5856		
k_SpdIptScale_MtrNmpRadpS_u4p12		125		
t_SpdIptTbIXTbI_HwDeg_u12p4[0]		416		
t_SpdIptTbIXTbI_HwDeg_u12p4[1]		640		
t_SpdIptTbIYTbI_MtrRadpS_u12p4[0]		576		
t_SpdIptTbIYTbI_MtrRadpS_u12p4[1]		960		
Name	Actual Value	Expected Value	Result	
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	534.354004	534.354004	✓	
EOTOrigImpact()	1.81274414	1.81274414	✓	

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

Test Step 2.18 (Repeat Count = 1)				
Name		Input Value		
CcwEOT_HwDeg_T_f32		-250.964996		
CwEOT_HwDeg_T_f32		550.656982		
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32		1000.65002		
HandWheelAuth_Uls_T_f32		1		
HandWheelPos_HwDeg_T_f32		-400.100006		
MotorVel_MtrRadpS_T_f32		-0.600000024		
VehicleSpeed_Kph_T_f32		16.0365009		
k_EOTDefltPosition_HwDeg_u12p4		3744		
k_EOTImpSpdEn_Kph_u9p7		23680		
k_PosRampStep_HwDeg_u12p4		10464		
k_SpdIptScale_MtrNmpRadpS_u4p12		133		
t_SpdIptTbIXTbI_HwDeg_u12p4[0]		432		
t_SpdIptTbIXTbI_HwDeg_u12p4[1]		672		
t_SpdIptTbIYTbI_MtrRadpS_u12p4[0]		592		
t_SpdIptTbIYTbI_MtrRadpS_u12p4[1]		992		
Name		Actual Value	Expected Value	Result
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32		400.100006	400.100006	✓
EOTOrigImpact()		1.99370122	1.99370122	✓

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

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## Test Step 2.19 (Repeat Count = 1)

Name	Input Value			
CwEOT_HwDeg_T_f32	-350.424988			
CwEOT_HwDeg_T_f32	650.750977			
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	1100.47998			
HandWheelAuth_Uls_T_f32	1			
HandWheelPos_HwDeg_T_f32	400.100006			
MotorVel_MtrRadpS_T_f32	0.699999988			
VehicleSpeed_Kph_T_f32	17.9869995			
k_EOTDefltPosition_HwDeg_u12p4	5520			
k_EOTImpSpdEn_Kph_u9p7	20864			
k_PosRampStep_HwDeg_u12p4	3424			
k_SpdIptScale_MtrNmpRadpS_u4p12	140			
t_SpdIptTbIXTbI_HwDeg_u12p4[0]	448			
t_SpdIptTbIXTbI_HwDeg_u12p4[1]	704			
t_SpdIptTbIYTbI_MtrRadpS_u12p4[0]	608			
t_SpdIptTbIYTbI_MtrRadpS_u12p4[1]	1024			
Name	Actual Value	Expected Value	Result	
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	886.47998	886.47998	✓	
EOTOrigImpact()	2.16357422	2.16357422	✓	

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

## Test Step 2.20 (Repeat Count = 1)

Name	Input Value			
CwEOT_HwDeg_T_f32	-450.984009			
CwEOT_HwDeg_T_f32	750.754028			
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	1200.97998			
HandWheelAuth_Uls_T_f32	1			
HandWheelPos_HwDeg_T_f32	1000.25702			
MotorVel_MtrRadpS_T_f32	-0.699999988			
VehicleSpeed_Kph_T_f32	0			
k_EOTDefltPosition_HwDeg_u12p4	7296			
k_EOTImpSpdEn_Kph_u9p7	20992			
k_PosRampStep_HwDeg_u12p4	6912			
k_SpdIptScale_MtrNmpRadpS_u4p12	148			
t_SpdIptTbIXTbI_HwDeg_u12p4[0]	464			
t_SpdIptTbIXTbI_HwDeg_u12p4[1]	736			
t_SpdIptTbIYTbI_MtrRadpS_u12p4[0]	624			
t_SpdIptTbIYTbI_MtrRadpS_u12p4[1]	1056			
Name	Actual Value	Expected Value	Result	
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	1000.25702	1000.25702	✓	
EOTOrigImpact()	2.35947275	2.35947275	✓	

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

## Test Step 2.21 (Repeat Count = 1)

Name	Input Value			
CwEOT_HwDeg_T_f32	-550.354004			
CwEOT_HwDeg_T_f32	850.952026			
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	1300.04004			
HandWheelAuth_Uls_T_f32	0.449999988			
HandWheelPos_HwDeg_T_f32	-1000.15399			
MotorVel_MtrRadpS_T_f32	0.800000012			
VehicleSpeed_Kph_T_f32	511.992188			
k_EOTDefltPosition_HwDeg_u12p4	9072			
k_EOTImpSpdEn_Kph_u9p7	256			
k_PosRampStep_HwDeg_u12p4	10464			
k_SpdIptScale_MtrNmpRadpS_u4p12	156			
t_SpdIptTbIXTbI_HwDeg_u12p4[0]	480			
t_SpdIptTbIXTbI_HwDeg_u12p4[1]	768			
t_SpdIptTbIYTbI_MtrRadpS_u12p4[0]	640			

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Name	Input Value		
t_SpdIptTblyTbly_MtrRadpS_u12p4[1]	1088		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	567	567	✓
EOTOrigImpact()	8.80000019	8.80000019	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

## Test Step 2.22 (Repeat Count = 1)

Name	Input Value		
CwEOT_HwDeg_T_f32	-650.713989		
CwEOT_HwDeg_T_f32	950.356995		
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	1400.02002		
HandWheelAuth_Uls_T_f32	1		
HandWheelPos_HwDeg_T_f32	1100.44104		
MotorVel_MtrRadpS_T_f32	-0.800000012		
VehicleSpeed_Kph_T_f32	11.1000004		
k_EOTDefltPosition_HwDeg_u12p4	10848		
k_EOTImpSpdEn_Kph_u9p7	640		
k_PosRampStep_HwDeg_u12p4	10848		
k_SpdIptScale_MtrNmpRadpS_u4p12	164		
t_SpdIptTblyTbly_HwDeg_u12p4[0]	496		
t_SpdIptTblyTbly_HwDeg_u12p4[1]	800		
t_SpdIptTblyTbly_MtrRadpS_u12p4[0]	656		
t_SpdIptTblyTbly_MtrRadpS_u12p4[1]	1120		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	1100.44104	1100.44104	✓
EOTOrigImpact()	8.80000019	8.80000019	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

## Test Step 2.23 (Repeat Count = 1)

Name	Input Value		
CwEOT_HwDeg_T_f32	-750.257996		
CwEOT_HwDeg_T_f32	1050.84998		
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	0		
HandWheelAuth_Uls_T_f32	0.600000024		
HandWheelPos_HwDeg_T_f32	-1100.24097		
MotorVel_MtrRadpS_T_f32	0.00100000005		
VehicleSpeed_Kph_T_f32	18.3540001		
k_EOTDefltPosition_HwDeg_u12p4	12624		
k_EOTImpSpdEn_Kph_u9p7	6016		
k_PosRampStep_HwDeg_u12p4	9072		
k_SpdIptScale_MtrNmpRadpS_u4p12	172		
t_SpdIptTblyTbly_HwDeg_u12p4[0]	512		
t_SpdIptTblyTbly_HwDeg_u12p4[1]	832		
t_SpdIptTblyTbly_MtrRadpS_u12p4[0]	672		
t_SpdIptTblyTbly_MtrRadpS_u12p4[1]	1152		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	789	789	✓
EOTOrigImpact()	3.02339554	3.02339554	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

## Test Step 2.24 (Repeat Count = 1)

Name	Input Value		
CwEOT_HwDeg_T_f32	-850.025024		
CwEOT_HwDeg_T_f32	1100.97998		

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Name	Input Value		
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	1440.10999		
HandWheelAuth_Uls_T_f32	0.5		
HandWheelPos_HwDeg_T_f32	1200.12097		
MotorVel_MtrRadpS_T_f32	-0.00200000009		
VehicleSpeed_Kph_T_f32	19.8509998		
k_EOTDefltPosition_HwDeg_u12p4	12624		
k_EOTImpSpdEn_Kph_u9p7	9472		
k_PosRampStep_HwDeg_u12p4	7296		
k_SpdIptScale_MtrNmpRadpS_u4p12	179		
t_SpdIptTbIXTbI_HwDeg_u12p4[0]	528		
t_SpdIptTbIXTbI_HwDeg_u12p4[1]	864		
t_SpdIptTbIYTbI_MtrRadpS_u12p4[0]	688		
t_SpdIptTbIYTbI_MtrRadpS_u12p4[1]	1184		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	789	789	✔
EOTOrigImpact()	1.87906301	1.87906301	✔

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

Test Step 2.25 (Repeat Count = 1)				
Name		Input Value		
CcwEOT_HwDeg_T_f32		-950.010986		
CwEOT_HwDeg_T_f32		1200.44995		
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32		600.099976		
HandWheelAuth_Uls_T_f32		0.200000003		
HandWheelPos_HwDeg_T_f32		-1200.54504		
MotorVel_MtrRadpS_T_f32		0.00300000003		
VehicleSpeed_Kph_T_f32		22.3649998		
k_EOTDefltPosition_HwDeg_u12p4		2480		
k_EOTImpSpdEn_Kph_u9p7		6144		
k_PosRampStep_HwDeg_u12p4		5520		
k_SpdIptScale_MtrNmpRadpS_u4p12		187		
t_SpdIptTbIXTbI_HwDeg_u12p4[0]		544		
t_SpdIptTbIXTbI_HwDeg_u12p4[1]		896		
t_SpdIptTbIYTbI_MtrRadpS_u12p4[0]		704		
t_SpdIptTbIYTbI_MtrRadpS_u12p4[1]		1216		
Name		Actual Value	Expected Value	Result
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32		155	155	✓
EOTOrigImpact()		2.00865221	2.00865221	✓

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

Test Step 2.26 (Repeat Count = 1)				
Name		Input Value		
CcwEOT_HwDeg_T_f32		-142.110992		
CwEOT_HwDeg_T_f32		111.851997		
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32		111.220001		
HandWheelAuth_Uls_T_f32		0.360000014		
HandWheelPos_HwDeg_T_f32		111.357002		
MotorVel_MtrRadpS_T_f32		0.5		
VehicleSpeed_Kph_T_f32		20.0440006		
k_EOTDefltPosition_HwDeg_u12p4		0		
k_EOTImpSpdEn_Kph_u9p7		6272		
k_PosRampStep_HwDeg_u12p4		3744		
k_SpdIptScale_MtrNmpRadpS_u4p12		195		
t_SpdIptTbIXTbI_HwDeg_u12p4[0]		560		
t_SpdIptTbIXTbI_HwDeg_u12p4[1]		928		
t_SpdIptTbIYTbI_MtrRadpS_u12p4[0]		720		
t_SpdIptTbIYTbI_MtrRadpS_u12p4[1]		1248		
Name		Actual Value	Expected Value	Result
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32		0	0	✓
EOTOrigImpact()		2.11853027	2.11853027	✓

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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 2.27 (Repeat Count = 1)

Name	Input Value		
CcwEOT_HwDeg_T_f32	-1222.23999		
CwEOT_HwDeg_T_f32	222.453995		
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	222.660004		
HandWheelAuth_Uls_T_f32	0.449999988		
HandWheelPos_HwDeg_T_f32	-112.153999		
MotorVel_MtrRadpS_T_f32	-0.5		
VehicleSpeed_Kph_T_f32	15.2580004		
k_EOTDefltPosition_HwDeg_u12p4	13104		
k_EOTImpSpdEn_Kph_u9p7	9600		
k_PosRampStep_HwDeg_u12p4	5136		
k_SpdIptScale_MtrNmpRadpS_u4p12	203		
t_SpdIptTbIXTbI_HwDeg_u12p4[0]	576		
t_SpdIptTbIXTbI_HwDeg_u12p4[1]	960		
t_SpdIptTbIYTbI_MtrRadpS_u12p4[0]	736		
t_SpdIptTbIYTbI_MtrRadpS_u12p4[1]	1280		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	819	819	✔
EOTOrigImpact()	2.25500488	2.25500488	✔

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

## Test Step 2.28 (Repeat Count = 1)

Name	Input Value		
CcwEOT_HwDeg_T_f32	-1111.32996		
CwEOT_HwDeg_T_f32	333.355988		
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	333.450012		
HandWheelAuth_Uls_T_f32	0.649999976		
HandWheelPos_HwDeg_T_f32	222.783997		
MotorVel_MtrRadpS_T_f32	0.100000001		
VehicleSpeed_Kph_T_f32	0.0149999997		
k_EOTDefltPosition_HwDeg_u12p4	1600		
k_EOTImpSpdEn_Kph_u9p7	4864		
k_PosRampStep_HwDeg_u12p4	1968		
k_SpdIptScale_MtrNmpRadpS_u4p12	211		
t_SpdIptTbIXTbI_HwDeg_u12p4[0]	592		
t_SpdIptTbIXTbI_HwDeg_u12p4[1]	992		
t_SpdIptTbIYTbI_MtrRadpS_u12p4[0]	752		
t_SpdIptTbIYTbI_MtrRadpS_u12p4[1]	1312		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	100	100	✔
EOTOrigImpact()	2.41599131	2.41599131	✔

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

## Test Step 2.29 (Repeat Count = 1)

Name	Input Value
CcwEOT_HwDeg_T_f32	-999.419983
CwEOT_HwDeg_T_f32	444.394012
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	444.579987
HandWheelAuth_Uls_T_f32	0.365999997
HandWheelPos_HwDeg_T_f32	-222.654007
MotorVel_MtrRadpS_T_f32	-0.100000001
VehicleSpeed_Kph_T_f32	12.6739998

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EOTOrigImpact

Name	Input Value		
k_EOTDefltPosition_HwDeg_u12p4	4080		
k_EOTImpSpdEn_Kph_u9p7	9600		
k_PosRampStep_HwDeg_u12p4	11008		
k_SpdIptScale_MtrNmpRadpS_u4p12	218		
t_SpdIptTbIXTbI_HwDeg_u12p4[0]	0		
t_SpdIptTbIXTbI_HwDeg_u12p4[1]	0		
t_SpdIptTbIYTbI_MtrRadpS_u12p4[0]	768		
t_SpdIptTbIYTbI_MtrRadpS_u12p4[1]	1344		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	255	255	✓
EOTOrigImpact()	2.54936528	2.54936528	✓

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

Test Step 2.30 (Repeat Count = 1)				
Name		Input Value		
CcwEOT_HwDeg_T_f32		-777.124023		
CwEOT_HwDeg_T_f32		555.857971		
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32		555.450012		
HandWheelAuth_Uls_T_f32		0.865999997		
HandWheelPos_HwDeg_T_f32		-353.247009		
MotorVel_MtrRadpS_T_f32		0.200000003		
VehicleSpeed_Kph_T_f32		11.3140001		
k_EOTDefltPosition_HwDeg_u12p4		5680		
k_EOTImpSpdEn_Kph_u9p7		11392		
k_PosRampStep_HwDeg_u12p4		12432		
k_SpdIptScale_MtrNmpRadpS_u4p12		226		
t_SpdIptTbIXTbI_HwDeg_u12p4[0]		2880		
t_SpdIptTbIXTbI_HwDeg_u12p4[1]		2880		
t_SpdIptTbIYTbI_MtrRadpS_u12p4[0]		784		
t_SpdIptTbIYTbI_MtrRadpS_u12p4[1]		1376		
Name	Actual Value	Expected Value	Result	
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	355	355		
EOTOrigImpact()	2.69257808	2.69257808		

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

Test Step 2.31 (Repeat Count = 1)				
Name		Input Value		
CcwEOT_HwDeg_T_f32		-888.153992		
CwEOT_HwDeg_T_f32		666.65802		
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32		666.780029		
HandWheelAuth_Uls_T_f32		0.266000003		
HandWheelPos_HwDeg_T_f32		-333.356995		
MotorVel_MtrRadpS_T_f32		-0.200000003		
VehicleSpeed_Kph_T_f32		9.22200012		
k_EOTDefltPosition_HwDeg_u12p4		7280		
k_EOTImpSpdEn_Kph_u9p7		7424		
k_PosRampStep_HwDeg_u12p4		10656		
k_SpdIptScale_MtrNmpRadpS_u4p12		234		
t_SpdIptTbIXTbI_HwDeg_u12p4[0]		400		
t_SpdIptTbIXTbI_HwDeg_u12p4[1]		800		
t_SpdIptTbIYTbI_MtrRadpS_u12p4[0]		800		
t_SpdIptTbIYTbI_MtrRadpS_u12p4[1]		1408		
Name	Actual Value	Expected Value	Result	
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	455	455		
EOTOrigImpact()	2.84501958	2.84501958		

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



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## Test Step 2.32 (Repeat Count = 1) ✓

Name	Input Value		
CcwEOT_HwDeg_T_f32	-666.458008		
CwEOT_HwDeg_T_f32	777.958984		
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	777.349976		
HandWheelAuth_Uls_T_f32	0.765999973		
HandWheelPos_HwDeg_T_f32	444.157013		
MotorVel_MtrRadpS_T_f32	650		
VehicleSpeed_Kph_T_f32	8.14500046		
k_EOTDefltPosition_HwDeg_u12p4	8880		
k_EOTImpSpdEn_Kph_u9p7	4864		
k_PosRampStep_HwDeg_u12p4	8880		
k_SpdIptScale_MtrNmpRadpS_u4p12	242		
t_SpdIptTbIXTbI_HwDeg_u12p4[0]	608		
t_SpdIptTbIXTbI_HwDeg_u12p4[1]	1024		
t_SpdIptTbIYTbI_MtrRadpS_u12p4[0]	0		
t_SpdIptTbIYTbI_MtrRadpS_u12p4[1]	0		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	555	555	✔
EOTOrigImpact()	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 2.33 (Repeat Count = 1) ✓

Name	Input Value		
CcwEOT_HwDeg_T_f32	-555.874023		
CwEOT_HwDeg_T_f32	888.754028		
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	888.450012		
HandWheelAuth_Uls_T_f32	0.588		
HandWheelPos_HwDeg_T_f32	-444.246002		
MotorVel_MtrRadpS_T_f32	0.300000012		
VehicleSpeed_Kph_T_f32	6.6571002		
k_EOTDefltPosition_HwDeg_u12p4	10480		
k_EOTImpSpdEn_Kph_u9p7	11392		
k_PosRampStep_HwDeg_u12p4	7104		
k_SpdIptScale_MtrNmpRadpS_u4p12	0		
t_SpdIptTbIXTbI_HwDeg_u12p4[0]	624		
t_SpdIptTbIXTbI_HwDeg_u12p4[1]	1056		
t_SpdIptTbIYTbI_MtrRadpS_u12p4[0]	65520		
t_SpdIptTbIYTbI_MtrRadpS_u12p4[1]	65520		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	655	655	✓
EOTOrigImpact()	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 2.34 (Repeat Count = 1) ✓

Name	Input Value
CwEOT_HwDeg_T_f32	-444.144989
CwEOT_HwDeg_T_f32	999.45697
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	999.849976
HandWheelAuth_Uls_T_f32	0.856000006
HandWheelPos_HwDeg_T_f32	555.671021
MotorVel_MtrRadpS_T_f32	-0.300000012
VehicleSpeed_Kph_T_f32	5.12589979
k_EOTDefltPosition_HwDeg_u12p4	12080
k_EOTImpSpdEn_Kph_u9p7	6272
k_PosRampStep_HwDeg_u12p4	5328
k_SpdIptScale_MtrNmpRadpS_u4p12	257
t_SpdIptTbIXTbI_HwDeg_u12p4[0]	640

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Name	Input Value		
t_SpdIptTbIXTbI_HwDeg_u12p4[1]	1088		
t_SpdIptTbIYTbI_MtrRadpS_u12p4[0]	240		
t_SpdIptTbIYTbI_MtrRadpS_u12p4[1]	960		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	755	755	✓
EOTOrigImpact()	0.922338843	0.922338843	✓

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

Test Step 2.35 (Repeat Count = 1)				
Name	Input Value			
CcwEOT_HwDeg_T_f32	-333.984985			
CwEOT_HwDeg_T_f32	423.157013			
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	1111.44995			
HandWheelAuth_Uls_T_f32	0.266000003			
HandWheelPos_HwDeg_T_f32	-555.317993			
MotorVel_MtrRadpS_T_f32	0.400000006			
VehicleSpeed_Kph_T_f32	4.31449986			
k_EOTDefltPosition_HwDeg_u12p4	7632			
k_EOTImpSpdEn_Kph_u9p7	9472			
k_PosRampStep_HwDeg_u12p4	3552			
k_SpdIptScale_MtrNmpRadpS_u4p12	0			
t_SpdIptTbIXTbI_HwDeg_u12p4[0]	656			
t_SpdIptTbIXTbI_HwDeg_u12p4[1]	1120			
t_SpdIptTbIYTbI_MtrRadpS_u12p4[0]	128			
t_SpdIptTbIYTbI_MtrRadpS_u12p4[1]	160			
Name	Actual Value	Expected Value	Result	
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	477	477	✓	
EOTOrigImpact()	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 2.36 (Repeat Count = 1)				
Name	Input Value			
CcwEOT_HwDeg_T_f32	-222.354004			
CwEOT_HwDeg_T_f32	287.656006			
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	1265.14001			
HandWheelAuth_Uls_T_f32	0.665000021			
HandWheelPos_HwDeg_T_f32	666.846008			
MotorVel_MtrRadpS_T_f32	-0.400000006			
VehicleSpeed_Kph_T_f32	3.85100007			
k_EOTDefltPosition_HwDeg_u12p4	4432			
k_EOTImpSpdEn_Kph_u9p7	4736			
k_PosRampStep_HwDeg_u12p4	1776			
k_SpdIptScale_MtrNmpRadpS_u4p12	1024			
t_SpdIptTbIXTbI_HwDeg_u12p4[0]	672			
t_SpdIptTbIXTbI_HwDeg_u12p4[1]	1152			
t_SpdIptTbIYTbI_MtrRadpS_u12p4[0]	160			
t_SpdIptTbIYTbI_MtrRadpS_u12p4[1]	176			
Name	Actual Value	Expected Value	Result	
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	277	277	✓	
EOTOrigImpact()	2.6500001	2.6500001	✓	

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

# TEST DETAILS REPORT

EOTOrigImpact

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## Test Step 2.37 (Repeat Count = 1)

Name	Input Value		
CcwEOT_HwDeg_T_f32	-111.213997		
CwEOT_HwDeg_T_f32	764.353027		
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	266.980011		
HandWheelAuth_Uls_T_f32	0.354999989		
HandWheelPos_HwDeg_T_f32	-666.95697		
MotorVel_MtrRadpS_T_f32	0.600000024		
VehicleSpeed_Kph_T_f32	2.35470009		
k_EOTDefltPosition_HwDeg_u12p4	7760		
k_EOTImpSpdEn_Kph_u9p7	11392		
k_PosRampStep_HwDeg_u12p4	12272		
k_SpdIptScale_MtrNmpRadpS_u4p12	80		
t_SpdIptTbIXTbI_HwDeg_u12p4[0]	688		
t_SpdIptTbIXTbI_HwDeg_u12p4[1]	1184		
t_SpdIptTbIYTbI_MtrRadpS_u12p4[0]	192		
t_SpdIptTbIYTbI_MtrRadpS_u12p4[1]	208		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	485	485	✓
EOTOrigImpact()	0.2421875	0.2421875	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

## Test Step 2.38 (Repeat Count = 1)

Name	Input Value		
CcwEOT_HwDeg_T_f32	-739.057983		
CwEOT_HwDeg_T_f32	785.452026		
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	766.169983		
HandWheelAuth_Uls_T_f32	0.430000007		
HandWheelPos_HwDeg_T_f32	633.653992		
MotorVel_MtrRadpS_T_f32	0.600000024		
VehicleSpeed_Kph_T_f32	3.85739994		
k_EOTDefltPosition_HwDeg_u12p4	12560		
k_EOTImpSpdEn_Kph_u9p7	0		
k_PosRampStep_HwDeg_u12p4	3920		
k_SpdIptScale_MtrNmpRadpS_u4p12	1		
t_SpdIptTbIXTbI_HwDeg_u12p4[0]	704		
t_SpdIptTbIXTbI_HwDeg_u12p4[1]	1216		
t_SpdIptTbIYTbI_MtrRadpS_u12p4[0]	208		
t_SpdIptTbIYTbI_MtrRadpS_u12p4[1]	224		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	785	785	✓
EOTOrigImpact()	8.80000019	8.80000019	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

## Test Step 2.39 (Repeat Count = 1)

Name	Input Value
CwEOT_HwDeg_T_f32	-684.020996
CwEOT_HwDeg_T_f32	645.252014
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	596.469971
HandWheelAuth_Uls_T_f32	0.236599997
HandWheelPos_HwDeg_T_f32	-543.854004
MotorVel_MtrRadpS_T_f32	-0.600000024
VehicleSpeed_Kph_T_f32	2.1257
k_EOTDefltPosition_HwDeg_u12p4	9040
k_EOTImpSpdEn_Kph_u9p7	32640
k_PosRampStep_HwDeg_u12p4	12256
k_SpdIptScale_MtrNmpRadpS_u4p12	12
t_SpdIptTbIXTbI_HwDeg_u12p4[0]	720
t_SpdIptTbIXTbI_HwDeg_u12p4[1]	1248
t_SpdIptTbIYTbI_MtrRadpS_u12p4[0]	224

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Name	Input Value		
t_SpdIptTblyTbly_MtrRadpS_u12p4[1]	256		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	565	565	✓
EOTOrigImpact()	0.0392578095	0.0392578132	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

## Test Step 2.40 (Repeat Count = 1)

Name	Input Value		
CwEOT_HwDeg_T_f32	-538.611023		
CwEOT_HwDeg_T_f32	867.741028		
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	497.070007		
HandWheelAuth_Uls_T_f32	0.787999988		
HandWheelPos_HwDeg_T_f32	484.674988		
MotorVel_MtrRadpS_T_f32	0.699999988		
VehicleSpeed_Kph_T_f32	1.35409999		
k_EOTDefltPosition_HwDeg_u12p4	7632		
k_EOTImpSpdEn_Kph_u9p7	3840		
k_PosRampStep_HwDeg_u12p4	736		
k_SpdIptScale_MtrNmpRadpS_u4p12	24		
t_SpdIptTblyTbly_HwDeg_u12p4[0]	736		
t_SpdIptTblyTbly_HwDeg_u12p4[1]	1280		
t_SpdIptTblyTbly_MtrRadpS_u12p4[0]	240		
t_SpdIptTblyTbly_MtrRadpS_u12p4[1]	288		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	477	477	✓
EOTOrigImpact()	0.0837890655	0.0837890655	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

## Test Step 2.41 (Repeat Count = 1)

Name	Input Value		
CwEOT_HwDeg_T_f32	-644.124023		
CwEOT_HwDeg_T_f32	645.854004		
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	1250.33997		
HandWheelAuth_Uls_T_f32	1		
HandWheelPos_HwDeg_T_f32	-1100.25403		
MotorVel_MtrRadpS_T_f32	0.100000001		
VehicleSpeed_Kph_T_f32	8.32450008		
k_EOTDefltPosition_HwDeg_u12p4	8880		
k_EOTImpSpdEn_Kph_u9p7	4864		
k_PosRampStep_HwDeg_u12p4	0		
k_SpdIptScale_MtrNmpRadpS_u4p12	35		
t_SpdIptTblyTbly_HwDeg_u12p4[0]	752		
t_SpdIptTblyTbly_HwDeg_u12p4[1]	1312		
t_SpdIptTblyTbly_MtrRadpS_u12p4[0]	256		
t_SpdIptTblyTbly_MtrRadpS_u12p4[1]	320		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	1250.33997	1250.33997 ± 0.0000390625	✓
EOTOrigImpact()	0.170043945	0.170043945 ± 0.0078125	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

## Test Step 2.42 (Repeat Count = 1)

Name	Input Value		
CwEOT_HwDeg_T_f32	-555.953979		
CwEOT_HwDeg_T_f32	386.653992		

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Name	Input Value		
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	200.057999		
HandWheelAuth_Uls_T_f32	1		
HandWheelPos_HwDeg_T_f32	-1150.56006		
MotorVel_MtrRadpS_T_f32	-0.100000001		
VehicleSpeed_Kph_T_f32	9.2578001		
k_EOTDefltPosition_HwDeg_u12p4	10656		
k_EOTImpSpdEn_Kph_u9p7	9600		
k_PosRampStep_HwDeg_u12p4	13104		
k_SpdIptScale_MtrNmpRadpS_u4p12	47		
t_SpdIptTbIXTbI_HwDeg_u12p4[0]	768		
t_SpdIptTbIXTbI_HwDeg_u12p4[1]	1344		
t_SpdIptTbIYTbI_MtrRadpS_u12p4[0]	272		
t_SpdIptTbIYTbI_MtrRadpS_u12p4[1]	320		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	1019.05798	1019.05798	✔
EOTOrigImpact()	0.228344724	0.228344724	✔

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

Test Step 2.43 (Repeat Count = 1)				
Name		Input Value		
CcwEOT_HwDeg_T_f32		-444.256989		
CwEOT_HwDeg_T_f32		377.153992		
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32		1000.97998		
HandWheelAuth_Uls_T_f32		1		
HandWheelPos_HwDeg_T_f32		-1200.54004		
MotorVel_MtrRadpS_T_f32		0.200000003		
VehicleSpeed_Kph_T_f32		6.21560001		
k_EOTDefltPosition_HwDeg_u12p4		12432		
k_EOTImpSpdEn_Kph_u9p7		11392		
k_PosRampStep_HwDeg_u12p4		48		
k_SpdIptScale_MtrNmpRadpS_u4p12		58		
t_SpdIptTbIXTbI_HwDeg_u12p4[0]		784		
t_SpdIptTbIXTbI_HwDeg_u12p4[1]		1376		
t_SpdIptTbIYTbI_MtrRadpS_u12p4[0]		288		
t_SpdIptTbIYTbI_MtrRadpS_u12p4[1]		384		
Name		Actual Value	Expected Value	Result
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32		1003.97998	1003.97998	✓
EOTOrigImpact()		0.337011695	0.337011725	✓

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

Test Step 2.44 (Repeat Count = 1)				
Name		Input Value		
CcwEOT_HwDeg_T_f32		-1440.10999		
CwEOT_HwDeg_T_f32		0		
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32		0		
HandWheelAuth_Uls_T_f32		0		
HandWheelPos_HwDeg_T_f32		-1440.10999		
MotorVel_MtrRadpS_T_f32		-1350		
VehicleSpeed_Kph_T_f32		0		
k_EOTDefltPosition_HwDeg_u12p4		0		
k_EOTImpSpdEn_Kph_u9p7		0		
k_PosRampStep_HwDeg_u12p4		0		
k_SpdIptScale_MtrNmpRadpS_u4p12		0		
t_SpdIptTbIXTbI_HwDeg_u12p4[0]		0		
t_SpdIptTbIXTbI_HwDeg_u12p4[1]		0		
t_SpdIptTbIYTbI_MtrRadpS_u12p4[0]		0		
t_SpdIptTbIYTbI_MtrRadpS_u12p4[1]		0		
Name		Actual Value	Expected Value	Result
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32		0	0	
EOTOrigImpact()		0	0	

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EOTOrigImpact



## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

## Test Step 2.45 (Repeat Count = 1)

Name	Input Value
CwEOT_HwDeg_T_f32	0
CwEOT_HwDeg_T_f32	1440.10999
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	1440.10999
HandWheelAuth_Uls_T_f32	1
HandWheelPos_HwDeg_T_f32	1440.10999
MotorVel_MtrRadpS_T_f32	1350
VehicleSpeed_Kph_T_f32	511.992188
k_EOTDefltPosition_HwDeg_u12p4	13104
k_EOTImpSpdEn_Kph_u9p7	32640
k_PosRampStep_HwDeg_u12p4	13104
k_SpdIptScale_MtrNmpRadpS_u4p12	1024
t_SpdIptTbIXTbI_HwDeg_u12p4[0]	2880
t_SpdIptTbIXTbI_HwDeg_u12p4[1]	2880
t_SpdIptTbIYTbI_MtrRadpS_u12p4[0]	65520
t_SpdIptTbIYTbI_MtrRadpS_u12p4[1]	65520

Name	Actual Value	Expected Value	Result
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	1440.10999	1440.10999	✓
EOTOrigImpact()	8.80000019	8.80000019	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

# TEST DETAILS REPORT

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EOTOrigImpact



## Test Case 3: Path Test

<b>Specification</b>	Performance Metrics (With "None" Instrumentation and WithPS Environment) CPU Cycles:  TS3.1 156 cycles TS3.2 136 cycles TS3.3 164 cycles TS3.4 154 cycles TS3.5 164 cycles TS3.6 172 cycles TS3.7 164 cycles
<b>Description</b>	Vector Description  TS3.1(VehicleSpeed3_Kph_T_f32 > FPM_FixedToFloat_m(k_EOTImpSpdEn_Kph_u9p7, u9p7_T)) = TRUE TS3.2"(VehicleSpeed3_Kph_T_f32 > FPM_FixedToFloat_m(k_EOTImpSpdEn_Kph_u9p7, u9p7_T)) = FALSE AND (HandWheelAuth_Uls_T_f32 < D_HWPOSAUTHHILMT_ULS_F32) = TRUE AND (HandWheelPos_HwDeg_T_f32 < D_ZERO_ULS_F32) = FALSE AND (DeltaAstEOTLmt_MtrRadpS_T_f32 < D_ZERO_ULS_F32) = FALSE" TS3.3"(VehicleSpeed3_Kph_T_f32 > FPM_FixedToFloat_m(k_EOTImpSpdEn_Kph_u9p7, u9p7_T))=FALSE AND (HandWheelAuth_Uls_T_f32 < D_HWPOSAUTHHILMT_ULS_F32)=FALSE AND if (Abs_f32_m(HwPosDiff_HwDeg_T_f32) > FPM_FixedToFloat_m(k_PosRampStep_HwDeg_u12p4, u12p4_T))=TRUE AND (HandWheelPos_HwDeg_T_f32 < D_ZERO_ULS_F32)=FALSE AND (DeltaAstEOTLmt_MtrRadpS_T_f32 < D_ZERO_ULS_F32)=FALSE" TS3.4"(VehicleSpeed3_Kph_T_f32 > FPM_FixedToFloat_m(k_EOTImpSpdEn_Kph_u9p7, u9p7_T))=FALSE AND (HandWheelAuth_Uls_T_f32 < D_HWPOSAUTHHILMT_ULS_F32)=FALSE AND if (Abs_f32_m(HwPosDiff_HwDeg_T_f32) > FPM_FixedToFloat_m(k_PosRampStep_HwDeg_u12p4, u12p4_T))=TRUE AND (HandWheelPos_HwDeg_T_f32 < D_ZERO_ULS_F32)=FALSE AND (DeltaAstEOTLmt_MtrRadpS_T_f32 < D_ZERO_ULS_F32)=TRUE " TS3.5"(VehicleSpeed3_Kph_T_f32 > FPM_FixedToFloat_m(k_EOTImpSpdEn_Kph_u9p7, u9p7_T))=FALSE AND (HandWheelAuth_Uls_T_f32 < D_HWPOSAUTHHILMT_ULS_F32)=FALSE AND if (Abs_f32_m(HwPosDiff_HwDeg_T_f32) > FPM_FixedToFloat_m(k_PosRampStep_HwDeg_u12p4, u12p4_T))=FALSE AND (HandWheelPos_HwDeg_T_f32 < D_ZERO_ULS_F32)=FALSE AND (DeltaAstEOTLmt_MtrRadpS_T_f32 < D_ZERO_ULS_F32)=FALSE" TS3.6"(VehicleSpeed3_Kph_T_f32 > FPM_FixedToFloat_m(k_EOTImpSpdEn_Kph_u9p7, u9p7_T))=FALSE AND (HandWheelAuth_Uls_T_f32 < D_HWPOSAUTHHILMT_ULS_F32)=FALSE AND if (Abs_f32_m(HwPosDiff_HwDeg_T_f32) > FPM_FixedToFloat_m(k_PosRampStep_HwDeg_u12p4, u12p4_T))=TRUE AND (HandWheelPos_HwDeg_T_f32 < D_ZERO_ULS_F32)=TRUE AND (DeltaAstEOTLmt_MtrRadpS_T_f32 < D_ZERO_ULS_F32)=TRUE " TS3.7t_SpdIptTbIX_HwDeg_T_u12p4[0] = Abs_s16_m(CcwEOT_HwDeg_T_s11p4 + (sint16)t_SpdIptTbIXTbI_HwDeg_u12p4[0])=>TRUE

## Test Step 3.1 (Repeat Count = 1)

Name	Input Value		
CcwEOT_HwDeg_T_f32	-100		
CwEOT_HwDeg_T_f32	1400		
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	350		
HandWheelAuth_Uls_T_f32	0.100000001		
HandWheelPos_HwDeg_T_f32	-900		
MotorVel_MtrRadpS_T_f32	150		
VehicleSpeed_Kph_T_f32	180		
k_EOTDefltPosition_HwDeg_u12p4	1600		
k_EOTImpSpdEn_Kph_u9p7	3840		
k_PosRampStep_HwDeg_u12p4	48		
k_SpdIptScale_MtrNmpRadpS_u4p12	80		
t_SpdIptTbIXTbI_HwDeg_u12p4[0]	400		
t_SpdIptTbIXTbI_HwDeg_u12p4[1]	800		
t_SpdIptTbIYTbI_MtrRadpS_u12p4[0]	240		
t_SpdIptTbIYTbI_MtrRadpS_u12p4[1]	960		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	100	100 ± 0.0000390625	✓
EOTOrigImpact()	8.80000019	8.80000019 ± 0.0078125	✓

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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 3.2 (Repeat Count = 1)				
Name	Input Value			
CcwEOT_HwDeg_T_f32	-100			
CwEOT_HwDeg_T_f32	1440.10999			
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	250			
HandWheelAuth_Uls_T_f32	0.200000003			
HandWheelPos_HwDeg_T_f32	900			
MotorVel_MtrRadpS_T_f32	0.5			
VehicleSpeed_Kph_T_f32	0.100000001			
k_EOTDefltPosition_HwDeg_u12p4	1600			
k_EOTImpSpdEn_Kph_u9p7	3840			
k_PosRampStep_HwDeg_u12p4	48			
k_SpdIptScale_MtrNmpRadpS_u4p12	80			
t_SpdIptTbIXTbI_HwDeg_u12p4[0]	400			
t_SpdIptTbIXTbI_HwDeg_u12p4[1]	800			
t_SpdIptTbIYTbI_MtrRadpS_u12p4[0]	240			
t_SpdIptTbIYTbI_MtrRadpS_u12p4[1]	960			
Name	Actual Value	Expected Value	Result	
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	100	100 ± 0.0000390625	✓	
EOTOrigImpact()	0.283203125	0.283203125 ± 0.0078125	✓	

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

Test Step 3.3 (Repeat Count = 1)				
Name	Input Value			
CcwEOT_HwDeg_T_f32	-400			
CwEOT_HwDeg_T_f32	1100			
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	110			
HandWheelAuth_Uls_T_f32	1			
HandWheelPos_HwDeg_T_f32	400			
MotorVel_MtrRadpS_T_f32	1			
VehicleSpeed_Kph_T_f32	0.200000003			
k_EOTDefltPosition_HwDeg_u12p4	1600			
k_EOTImpSpdEn_Kph_u9p7	3840			
k_PosRampStep_HwDeg_u12p4	48			
k_SpdIptScale_MtrNmpRadpS_u4p12	80			
t_SpdIptTbIXTbI_HwDeg_u12p4[0]	400			
t_SpdIptTbIXTbI_HwDeg_u12p4[1]	800			
t_SpdIptTbIYTbI_MtrRadpS_u12p4[0]	240			
t_SpdIptTbIYTbI_MtrRadpS_u12p4[1]	960			
Name	Actual Value	Expected Value	Result	
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	113	113 ± 0.0000390625	✓	
EOTOrigImpact()	0.2734375	0.2734375 ± 0.0078125	✓	

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

Test Step 3.4 (Repeat Count = 1)				
Name	Input Value			
CcwEOT_HwDeg_T_f32	-200			
CwEOT_HwDeg_T_f32	1200			
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	500			
HandWheelAuth_Uls_T_f32	1			
HandWheelPos_HwDeg_T_f32	400			
MotorVel_MtrRadpS_T_f32	-620			
VehicleSpeed_Kph_T_f32	0.150000006			



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Name	Input Value		
k_EOTDefltPosition_HwDeg_u12p4	1600		
k_EOTImpSpdEn_Kph_u9p7	3840		
k_PosRampStep_HwDeg_u12p4	48		
k_SpdIptScale_MtrNmpRadpS_u4p12	80		
t_SpdIptTbIXTbI_HwDeg_u12p4[0]	400		
t_SpdIptTbIXTbI_HwDeg_u12p4[1]	800		
t_SpdIptTbIYTbI_MtrRadpS_u12p4[0]	240		
t_SpdIptTbIYTbI_MtrRadpS_u12p4[1]	960		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	497	497 ± 0.0000390625	✔
EOTOrigImpact()	0	0 ± 0.0078125	✔

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

Test Step 3.5 (Repeat Count = 1)				✓
Name		Input Value		
CcwEOT_HwDeg_T_f32		-300		
CwEOT_HwDeg_T_f32		1000		
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32		400		
HandWheelAuth_Uls_T_f32		1		
HandWheelPos_HwDeg_T_f32		400		
MotorVel_MtrRadpS_T_f32		2		
VehicleSpeed_Kph_T_f32		0.209999993		
k_EOTDefltPosition_HwDeg_u12p4		1600		
k_EOTImpSpdEn_Kph_u9p7		3840		
k_PosRampStep_HwDeg_u12p4		48		
k_SpdIptScale_MtrNmpRadpS_u4p12		80		
t_SpdIptTbIXTbI_HwDeg_u12p4[0]		400		
t_SpdIptTbIXTbI_HwDeg_u12p4[1]		800		
t_SpdIptTbIYTbI_MtrRadpS_u12p4[0]		240		
t_SpdIptTbIYTbI_MtrRadpS_u12p4[1]		960		
Name		Actual Value	Expected Value	Result
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32		400	400 ± 0.0000390625	✓
EOTOrigImpact()		0.25390625	0.25390625 ± 0.0078125	✓

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

Test Step 3.6 (Repeat Count = 1)				
Name		Input Value		
CcwEOT_HwDeg_T_f32		-500		
CwEOT_HwDeg_T_f32		1000		
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32		400		
HandWheelAuth_Uls_T_f32		1		
HandWheelPos_HwDeg_T_f32		-180		
MotorVel_MtrRadpS_T_f32		-700		
VehicleSpeed_Kph_T_f32		0.129999995		
k_EOTDefltPosition_HwDeg_u12p4		1600		
k_EOTImpSpdEn_Kph_u9p7		3840		
k_PosRampStep_HwDeg_u12p4		48		
k_SpdIptScale_MtrNmpRadpS_u4p12		80		
t_SpdIptTbIXTbI_HwDeg_u12p4[0]		400		
t_SpdIptTbIXTbI_HwDeg_u12p4[1]		800		
t_SpdIptTbIYTbI_MtrRadpS_u12p4[0]		240		
t_SpdIptTbIYTbI_MtrRadpS_u12p4[1]		960		
Name		Actual Value	Expected Value	Result
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32		397	397 ± 0.0000390625	✓
EOTOrigImpact()		0	0 ± 0.0078125	✓

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

# TEST DETAILS REPORT

EOTOrigImpact

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## Test Step 3.7 (Repeat Count = 1) ✓

Name	Input Value
CwEOT_HwDeg_T_f32	0
CwEOT_HwDeg_T_f32	800.35199
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	660.015381
HandWheelAuth_Uls_T_f32	0.800000012
HandWheelPos_HwDeg_T_f32	-680.851013
MotorVel_MtrRadpS_T_f32	0.200000003
VehicleSpeed_Kph_T_f32	15.4560003
k_EOTDefltPosition_HwDeg_u12p4	9600
k_EOTImpSpdEn_Kph_u9p7	6400
k_PosRampStep_HwDeg_u12p4	4096
k_SpdIptScale_MtrNmpRadpS_u4p12	32
t_SpdIptTbIXTbI_HwDeg_u12p4[0]	224
t_SpdIptTbIXTbI_HwDeg_u12p4[1]	256
t_SpdIptTbIYTbI_MtrRadpS_u12p4[0]	384
t_SpdIptTbIYTbI_MtrRadpS_u12p4[1]	576

Name	Actual Value	Expected Value	Result
EOTActuatorMng_EOTImpactPos_HwDeg_M_f32	600	600 ± 0.0000390625	✓
EOTOrigImpact()	0.279687494	0.279687494 ± 0.0078125	✓

## Test Step Call Trace ✓

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

# TEST DETAILS REPORT

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SES\_CalcEOTGain



Project	EOTActuatorMng
Module	EOTActuatorMng
Test Object	SES_CalcEOTGain

## Instrumentation: Test Object Only

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

## Statistics

Total Testcases	3
Successful	3 ✓
Failed	0
Not Executed	0

## Module Properties

Project Root Directory	D:\Synergy_Work_Area\CBD_EOTActuatorMng\EOTActuatorMng
Configuration File	D:\Synergy_Work_Area\CBD_EOTActuatorMng\EOTActuatorMng\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)\NxrLib\src\interpolation.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -I\$(PROJECTROOT)\NxrLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\utpl\contract\Ap_EOTActuatorMng -I\$(PROJECTROOT)\utpl\contract -I\$(Compiler Install Path)\include
File	\$(PROJECTROOT)\src\Ap_EOTActuatorMng.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -I\$(PROJECTROOT)\NxrLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\utpl\contract\Ap_EOTActuatorMng -I\$(PROJECTROOT)\utpl\contract -I\$(Compiler Install Path)\include

## Comments/Description/Specification

Name	Text
Module 'EOTActuatorMng'	/******Unit Test Description******/ Name of Tester:Priti Manglekar Code File(s) Under Test:Ap_EOTActuatorMng.c Code File(s) Version:19 Module Design Document:End_of_Travel_Actuator_Management_MDD.docx Module Design Document Version:25 Data Dictionary Version:21 Unit Test Plan Version:11 Optimization Level:Level 2 Compiler (CodeGen) Version:TMS470_4.9.5 Model Type:Excel Macro Model Version:Nexteer EPS Unit Test Tool 2.7d/EPS Library 1.32 Total FLASH Used (Bytes):2914 Total RAM Used (Bytes):54 Total CALS Used (Bytes):170 Special Test Requirements: Test Date:6/29/2015 Comments:"NOTE 1: Inline functions defined in GlobalMacro.h are not untested. NOTE 2: ""CBD_Sandbox_dbg.map"" is embedded for reference." /*******/

## Attributes

Name	Value
Compiler Install Path	\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5
Float Precision	9
InitObjDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj
InitSrcDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd
Makefile Template	\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570.tpl
Target Install Path	\$(ProgramFiles)\pls\UDE 3.2
Time Unit	Cycles
Timer Enabled	false

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SES\_CalcEOTGain



Attributes	
Name	Value
Timer Prescale	0
Timer Resolution	1
UDE Config File	\$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg
Workspace File	D:\Synergy_Work_Area\CBD_EOTActuatorMng\EOTActuatorMng\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

# TEST DETAILS REPORT

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SES\_CalcEOTGain



## Test Case 1: Metrics test

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

TS1.1 2 cycles  
TS1.2 7 cycles

**Description** Vector Description

TS1.1"Shortest Execution Path:  
SESState\_Uls\_M\_enum = SES\_DISABLED"  
TS1.2"Longest Execution Path:  
SESState\_Uls\_M\_enum = Else"

### Test Step 1.1 (Repeat Count = 1)

Name	Input Value		
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED		
EOTEnterGain_Uls_T_f32	0.200000003		
EOTExitGain_Uls_T_f32	0.699999988		
Name	Actual Value	Expected Value	Result
SES_CalcEOTGain()	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		
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL		
EOTEnterGain_Uls_T_f32	0.100000001		
EOTExitGain_Uls_T_f32	0.699999988		
Name	Actual Value	Expected Value	Result
SES_CalcEOTGain()	0.100000001	0.100000001	✔

### Test Step Call Trace

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

## Test Case 2: Boundary Test

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

TS2.1 7 cycles  
TS2.2 7 cycles  
TS2.3 7 cycles  
TS2.4 5 cycles  
TS2.5 5 cycles  
TS2.6 5 cycles  
TS2.7 2 cycles  
TS2.8 7 cycles  
TS2.9 7 cycles  
TS2.10 5 cycles  
TS2.11 2 cycles  
TS2.12 5 cycles

**Description** Vector Description

TS2.1EOTEnterGain\_Uls\_T\_f32min  
TS2.2EOTEnterGain\_Uls\_T\_f32 max  
TS2.3EOTEnterGain\_Uls\_T\_f32 pos  
TS2.4EOTExitGain\_Uls\_T\_f32 min  
TS2.5EOTExitGain\_Uls\_T\_f32 max  
TS2.6EOTExitGain\_Uls\_T\_f32 pos  
TS2.7SESState\_Uls\_M\_enum min  
TS2.8SESState\_Uls\_M\_enum=1  
TS2.9SESState\_Uls\_M\_enum=2  
TS2.10SESState\_Uls\_M\_enum max  
TS2.11All min  
TS2.12All max

### Test Step 2.1 (Repeat Count = 1)

Name	Input Value
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL

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SES\_CalcEOTGain

Name	Input Value		
EOTEnterGain_Uls_T_f32	0		
EOTExitGain_Uls_T_f32	0.899999976		
Name	Actual Value	Expected Value	Result
SES_CalcEOTGain()	0	0	✓

## 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		
EOTActuatorMng_SESState_Uls_M_enum	SES_ENTERING		
EOTEnterGain_Uls_T_f32	1		
EOTExitGain_Uls_T_f32	0.800000012		
Name	Actual Value	Expected Value	Result
SES_CalcEOTGain()	1	1	✓

## 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		
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL		
EOTEnterGain_Uls_T_f32	0.5		
EOTExitGain_Uls_T_f32	0.699999988		
Name	Actual Value	Expected Value	Result
SES_CalcEOTGain()	0.5	0.5	✓

## 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		
EOTActuatorMng_SESState_Uls_M_enum	SES_EXITING		
EOTEnterGain_Uls_T_f32	0.100000001		
EOTExitGain_Uls_T_f32	0		
Name	Actual Value	Expected Value	Result
SES_CalcEOTGain()	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		
EOTActuatorMng_SESState_Uls_M_enum	SES_EXITING		
EOTEnterGain_Uls_T_f32	0.200000003		
EOTExitGain_Uls_T_f32	1		
Name	Actual Value	Expected Value	Result
SES_CalcEOTGain()	1	1	✓

## Test Step Call Trace

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

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SES\_CalcEOTGain



## Test Step 2.6 (Repeat Count = 1) ✓

Name	Input Value		
EOTActuatorMng_SESState_Uls_M_enum	SES_EXITING		
EOTEnterGain_Uls_T_f32	0.300000012		
EOTExitGain_Uls_T_f32	0.300000012		
Name	Actual Value	Expected Value	Result
SES_CalcEOTGain()	0.300000012	0.300000012	✔

## Test Step Call Trace ✓

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

## Test Step 2.7 (Repeat Count = 1) ✓

Name	Input Value		
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED		
EOTEnterGain_Uls_T_f32	0.400000006		
EOTExitGain_Uls_T_f32	0.100000001		
Name	Actual Value	Expected Value	Result
SES_CalcEOTGain()	1	1	✔

## Test Step Call Trace ✓

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

## Test Step 2.8 (Repeat Count = 1) ✓

Name	Input Value		
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL		
EOTEnterGain_Uls_T_f32	0.400000006		
EOTExitGain_Uls_T_f32	0.100000001		
Name	Actual Value	Expected Value	Result
SES_CalcEOTGain()	0.400000006	0.400000006	✔

## Test Step Call Trace ✓

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

## Test Step 2.9 (Repeat Count = 1) ✓

Name	Input Value		
EOTActuatorMng_SESState_Uls_M_enum	SES_ENTERING		
EOTEnterGain_Uls_T_f32	0.600000024		
EOTExitGain_Uls_T_f32	0.200000003		
Name	Actual Value	Expected Value	Result
SES_CalcEOTGain()	0.600000024	0.600000024	✔

## 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		
EOTActuatorMng_SESState_Uls_M_enum	SES_EXITING		
EOTEnterGain_Uls_T_f32	0.600000024		
EOTExitGain_Uls_T_f32	0.200000003		
Name	Actual Value	Expected Value	Result
SES_CalcEOTGain()	0.200000003	0.200000003	✔

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SES\_CalcEOTGain



## Test Step Call Trace

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

## Test Step 2.11 (Repeat Count = 1)

Name	Input Value		
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED		
EOTEnterGain_Uls_T_f32	0		
EOTExitGain_Uls_T_f32	0		
Name	Actual Value	Expected Value	Result
SES_CalcEOTGain()	1	1	✔

## 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		
EOTActuatorMng_SESState_Uls_M_enum	SES_EXITING		
EOTEnterGain_Uls_T_f32	1		
EOTExitGain_Uls_T_f32	1		
Name	Actual Value	Expected Value	Result
SES_CalcEOTGain()	1	1	✔

## Test Step Call Trace

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

## Test Case 3: Path Test

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

TS3.1 7 cycles  
TS3.2 2 cycles  
TS3.3 5 cycles

**Description** Vector Description

TS3.1SESState\_Uls\_M\_enum = Else  
TS3.2SESState\_Uls\_M\_enum = SES\_DISABLED  
TS3.3SESState\_Uls\_M\_enum = SES\_EXITING

## Test Step 3.1 (Repeat Count = 1)

Name	Input Value		
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL		
EOTEnterGain_Uls_T_f32	0.100000001		
EOTExitGain_Uls_T_f32	0.699999988		
Name	Actual Value	Expected Value	Result
SES_CalcEOTGain()	0.100000001	0.100000001	✓

## Test Step Call Trace

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



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## Test Step 3.2 (Repeat Count = 1)

Name	Input Value		
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED		
EOTEnterGain_Uls_T_f32	0.200000003		
EOTExitGain_Uls_T_f32	0.699999988		
Name	Actual Value	Expected Value	Result
SES_CalcEOTGain()	1	1	✔

## Test Step Call Trace

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

## Test Step 3.3 (Repeat Count = 1)

Name	Input Value		
EOTActuatorMng_SESState_Uls_M_enum	SES_EXITING		
EOTEnterGain_Uls_T_f32	0.300000012		
EOTExitGain_Uls_T_f32	0.800000012		
Name	Actual Value	Expected Value	Result
SES_CalcEOTGain()	0.800000012	0.800000012	✔

## Test Step Call Trace

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

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Project	EOTActuatorMng
Module	EOTActuatorMng
Test Object	SES_StateCtrl

## Instrumentation: Test Object Only

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

## Statistics

Total Testcases	3
Successful	3 ✓
Failed	0
Not Executed	0

## Module Properties

Project Root Directory	D:\Synergy_Work_Area\CBD_EOTActuatorMng\EOTActuatorMng
Configuration File	D:\Synergy_Work_Area\CBD_EOTActuatorMng\EOTActuatorMng\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)\NxtLib\src\interpolation.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -I\$(PROJECTROOT)\NxtLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\utp\contract\Ap_EOTActuatorMng -I\$(PROJECTROOT)\utp\contract -I\$(Compiler Install Path)\include
File	\$(PROJECTROOT)\src\Ap_EOTActuatorMng.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -I\$(PROJECTROOT)\NxtLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\utp\contract\Ap_EOTActuatorMng -I\$(PROJECTROOT)\utp\contract -I\$(Compiler Install Path)\include

## Comments/Description/Specification

Name	Text
Module 'EOTActuatorMng'	/*****Unit Test Description*****/ Name of Tester:Priti Manglekar Code File(s) Under Test:Ap_EOTActuatorMng.c Code File(s) Version:19 Module Design Document:End_of_Travel_Actuator_Management_MDD.docx Module Design Document Version:25 Data Dictionary Version:21 Unit Test Plan Version:11 Optimization Level:Level 2 Compiler (CodeGen) Version:TMS470_4.9.5 Model Type:Excel Macro Model Version:Nexteer EPS Unit Test Tool 2.7d/EPS Library 1.32 Total FLASH Used (Bytes):2914 Total RAM Used (Bytes):54 Total CALS Used (Bytes):170 Special Test Requirements: Test Date:6/29/2015 Comments:"NOTE 1: Inline functions defined in GlobalMacro.h are not unittested. NOTE 2: ""CBD_Sandbox_dbg.map"" is embedded for reference." /*****

## Attributes

Name	Value
Compiler Install Path	\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5
Float Precision	9
InitObjDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj
InitSrcDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd
Makefile Template	\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570.tpl
Target Install Path	\$(ProgramFiles)\pls\UDE 3.2
Time Unit	Cycles

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Attributes	
Name	Value
Timer Enabled	false
Timer Prescale	0
Timer Resolution	1
UDE Config File	\$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg
Workspace File	D:\Synergy_Work_Area\CBD_EOTActuatorMng\EOTActuatorMng\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

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## Test Case 1: Metrics Test

<b>Specification</b>	Performance Metrics (With "None" Instrumentation and WithPS Environment) CPU Cycles:  TS1.1 64 cycles TS1.2 389 cycles
<b>Description</b>	Vector Description  TS1.1"Shortest Execution Path: ((HandWheelAuth1_Uls_T_f32 < FPM_FixedToFloat_m(k_EOTDynConf_Uls_u8p8, u8p8_T)) Or (VehicleSpeed2_Kph_T_f32 >= FPM_FixedToFloat_m(k_EOTImpSpdEn_Kph_u9p7, u9p7_T)) Or (EOTDet_Cnt_T_lgc = False) Or (EOTDisable_Cnt_T_lgc = True)) ==> TRUE; StatePriVectRes_Uls_T_u16 = D_SESSTATE_PRI1_ULS_U16" TS1.2"Longest Execution Path: ( (HandWheelAuth_Uls_T_f32 < FPM_FixedToFloat_m(k_EOTDynConf_Uls_u8p8, u8p8_T))    (VehicleSpeed_Kph_T_f32 >= FPM_FixedToFloat_m(k_EOTImpSpdEn_Kph_u9p7, u9p7_T))    (EOTDet_Cnt_T_lgc == FALSE)    (EOTDisable_Cnt_T_lgc == TRUE)) => FALSE ( (EOTActuatorMng_OutputRampMultLtd_M_f32 <= k_EOTActiveRegionBypassMaxThresh_Uls_f32) && (SESNextState_Uls_T_enum == SES_DISABLED))    (Abs_f32_m(HandWheelPos_HwDeg_T_f32) <= (Abs_f32_m(LimitPosition_HwDeg_T_f32) - Max_m(EOTEnterGainVal_HwDeg_T_f32, EOTPosDepDmpVal_HwDeg_T_f32)) ) ) => TRUE ( FiltHwTrq_HwNm_T_f32 > EOTDeltaTrqThresh_HwNm_T_f32 ) => FALSE ( FiltHwTrq_HwNm_T_f32 < (D_MINUSONE_ULS_F32 * EOTDeltaTrqThresh_HwNm_T_f32) ) => TRUE (EOTActuatorMng_SESState_Uls_M_enum != SES_DISABLED) => TRUE"

## Test Step 1.1 (Repeat Count = 1)

Name	Input Value		
EOTActuatorMng_OutputRampMultLtd_M_f32	0.531000018		
EOTActuatorMng_SESSState_Uls_M_enum	SES_NORMAL		
EOTDet_Cnt_T_lgc	1		
EOTDisable_Cnt_T_lgc	1		
FiltHwTrq_HwNm_T_f32	-10		
HandWheelAuth_Uls_T_f32	0.8999999976		
HandWheelPos_HwDeg_T_f32	600.450012		
LimitPosition_HwDeg_T_f32	1100.19995		
VehicleSpeed_Kph_T_f32	10.6700001		
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.257999986		
k_EOTDeltaTrqThrsh_HwNm_u9p7	0		
k_EOTDynConf_Uls_u8p8	205		
k_EOTImpSpdEn_Kph_u9p7	3840		
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	1440		
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	960		
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	480		
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	320		
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	1600		
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	2400		
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	3200		
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	4000		
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	4800		
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	5600		
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	6400		
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	7200		
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	8000		
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	8800		
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	9600		
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	10400		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	320		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	0		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	560		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	720		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	1760		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	3520		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	7200		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	8000		
t_EOTEnterGainVspd_Kph_u9p7[0]	0		
t_EOTEnterGainVspd_Kph_u9p7[1]	640		
t_EOTEnterGainVspd_Kph_u9p7[2]	1280		
t_EOTEnterGainVspd_Kph_u9p7[3]	2560		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_SESSState_Uls_M_enum	SES_DISABLED	SES_DISABLED	✔

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Test Step 1.2 (Repeat Count = 1)				✓
Name	Input Value			
EOTActuatorMng_OutputRampMultLtd_M_f32	0.99000001			
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL			
EOTDet_Cnt_T_lgc	1			
EOTDisable_Cnt_T_lgc	0			
FiltHwTrq_HwNm_T_f32	-9.67000008			
HandWheelAuth_Uls_T_f32	0.920000017			
HandWheelPos_HwDeg_T_f32	694.370972			
LimitPosition_HwDeg_T_f32	-500.450012			
VehicleSpeed_Kph_T_f32	24.1000004			
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.0430000015			
k_EOTDeltaTrqThrsh_HwNm_u9p7	896			
k_EOTDynConf_Uls_u8p8	233			
k_EOTImpSpdEn_Kph_u9p7	7936			
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	0			
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	96			
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	192			
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	400			
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	800			
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	2384			
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	2400			
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	2416			
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1440			
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	4304			
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	4320			
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	4336			
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	2080			
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	6224			
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	6240			
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	6256			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	48			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	400			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	560			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	720			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	960			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	1344			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	848			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	4336			
t_EOTEnterGainVspd_Kph_u9p7[0]	5120			
t_EOTEnterGainVspd_Kph_u9p7[1]	15232			
t_EOTEnterGainVspd_Kph_u9p7[2]	15360			
t_EOTEnterGainVspd_Kph_u9p7[3]	15488			
Name	Actual Value	Expected Value	Result	
EOTActuatorMng_SESState_Uls_M_enum	SES_EXITING	SES_EXITING		✓

**Test Case 2: Boundary Test**



Specification	Performance Metrics (With "None" Instrumentation and WithPS Environment) CPU Cycles:
	TS2.1 400 cycles
	TS2.2 385 cycles
	TS2.3 363 cycles
	TS2.4 386 cycles
	TS2.5 386 cycles
	TS2.6 362 cycles
	TS2.7 227 cycles
	TS2.8 249 cycles
	TS2.9 226 cycles
	TS2.10 225 cycles
	TS2.11 250 cycles
	TS2.12 248 cycles
	TS2.13 225 cycles
	TS2.14 248 cycles
	TS2.15 260 cycles
	TS2.16 48 cycles
	TS2.17 48 cycles
	TS2.18 48 cycles
	TS2.19 225 cycles
	TS2.20 48 cycles
	TS2.21 261 cycles
	TS2.22 65 cycles
	TS2.23 261 cycles
	TS2.24 48 cycles
	TS2.25 48 cycles
	TS2.26 48 cycles
	TS2.27 48 cycles
	TS2.28 246 cycles
	TS2.29 48 cycles
	TS2.30 246 cycles
	TS2.31 48 cycles
	TS2.32 64 cycles
	TS2.33 48 cycles
	TS2.34 48 cycles
	TS2.35 48 cycles
	TS2.36 48 cycles
	TS2.37 48 cycles
	TS2.38 48 cycles
	TS2.39 48 cycles
	TS2.40 48 cycles
	TS2.41 48 cycles
	TS2.42 248 cycles
	TS2.43 225 cycles
	TS2.44 403 cycles
	TS2.45 403 cycles
	TS2.46 384 cycles
	TS2.47 264 cycles
	TS2.48 227 cycles
	TS2.49 225 cycles
	TS2.50 227 cycles
	TS2.51 403 cycles
	TS2.52 384 cycles
	TS2.53 249 cycles
	TS2.54 59 cycles
	TS2.55 48 cycles

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Description	Vector Description
	TS2.1FiltHwTrq_HwNm_T_f32 min
	TS2.2FiltHwTrq_HwNm_T_f32 max
	TS2.3FiltHwTrq_HwNm_T_f32 zero
	TS2.4FiltHwTrq_HwNm_T_f32 pos
	TS2.5FiltHwTrq_HwNm_T_f32 neg
	TS2.6LimitPosition1_HwDeg_T_f32 min
	TS2.7LimitPosition1_HwDeg_T_f32 max
	TS2.8LimitPosition1_HwDeg_T_f32 zero
	TS2.9LimitPosition1_HwDeg_T_f32 neg
	TS2.10LimitPosition1_HwDeg_T_f32 pos
	TS2.11HandWheelPos5_HwDeg_T_f32 min
	TS2.12HandWheelPos5_HwDeg_T_f32 max
	TS2.13HandWheelPos5_HwDeg_T_f32 zero
	TS2.14HandWheelPos5_HwDeg_T_f32 neg
	TS2.15HandWheelPos5_HwDeg_T_f32 pos
	TS2.16HandWheelAuth1_Uls_T_f32 min
	TS2.17HandWheelAuth1_Uls_T_f32 max
	TS2.18HandWheelAuth1_Uls_T_f32 pos
	TS2.19VehicleSpeed2_Kph_T_f32 min
	TS2.20VehicleSpeed2_Kph_T_f32 max
	TS2.21VehicleSpeed2_Kph_T_f32 pos
	TS2.22EOTDet_Cnt_T_lgc min
	TS2.23EOTDet_Cnt_T_lgc max
	TS2.24EOTDisable_Cnt_T_lgc min
	TS2.25EOTDisable_Cnt_T_lgc max
	TS2.26SESState_Uls_M_enum = 0
	TS2.27SESState_Uls_M_enum = 1
	TS2.28SESState_Uls_M_enum = 2
	TS2.29SESState_Uls_M_enum = 3
	TS2.30k_EOTDynConf_Uls_u8p8 min
	TS2.31k_EOTDynConf_Uls_u8p8 max
	TS2.32k_EOTDynConf_Uls_u8p8 mid/default
	TS2.33k_EOTImpSpdEn_Kph_u9p7 min
	TS2.34k_EOTImpSpdEn_Kph_u9p7 max
	TS2.35k_EOTImpSpdEn_Kph_u9p7 mid/default
	TS2.36t2_EOTPosDepDmpTbIX_HwDeg_u12p4[2] min
	TS2.37t2_EOTPosDepDmpTbIX_HwDeg_u12p4[2] max
	TS2.38t2_EOTPosDepDmpTbIX_HwDeg_u12p4[2] mid
	TS2.39t2_EOTEnterGainX1_HwDeg_u12p4[4]min
	TS2.40t2_EOTEnterGainX1_HwDeg_u12p4[4] max
	TS2.41t2_EOTEnterGainX1_HwDeg_u12p4[4] mid
	TS2.42t_EOTEnterGainVspd_Kph_u9p7[4] min
	TS2.43t_EOTEnterGainVspd_Kph_u9p7[4] max
	TS2.44t_EOTEnterGainVspd_Kph_u9p7[4] mid
	TS2.45k_EOTDeltaTrqThrsh_HwNm_u9p7 min/default
	TS2.46k_EOTDeltaTrqThrsh_HwNm_u9p7 max
	TS2.47k_EOTDeltaTrqThrsh_HwNm_u9p7 mid
	TS2.48EOTActuatorMng_OutputRampMultLtd_M_f32 = Min
	TS2.49EOTActuatorMng_OutputRampMultLtd_M_f32 = Max
	TS2.50EOTActuatorMng_OutputRampMultLtd_M_f32 = Mid
	TS2.51k_EOTActiveRegionBypassMaxThresh_Uls_f32 = Min/default
	TS2.52k_EOTActiveRegionBypassMaxThresh_Uls_f32 = Max
	TS2.53k_EOTActiveRegionBypassMaxThresh_Uls_f32 = Mid
	TS2.54All min
	TS2.55All max

## Test Step 2.1 (Repeat Count = 1)

Name	Input Value
EOTActuatorMng_OutputRampMultLtd_M_f32	0.2849999996
EOTActuatorMng_SESState_Uls_M_enum	SES_ENTERING
EOTDet_Cnt_T_lgc	1
EOTDisable_Cnt_T_lgc	0
FiltHwTrq_HwNm_T_f32	-10
HandWheelAuth_Uls_T_f32	0.8999999976
HandWheelPos_HwDeg_T_f32	1200.44995
LimitPosition_HwDeg_T_f32	1100.02002
VehicleSpeed_Kph_T_f32	40.3470001
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.99000001
k_EOTDeltaTrqThrsh_HwNm_u9p7	1152
k_EOTDynConf_Uls_u8p8	26
k_EOTImpSpdEn_Kph_u9p7	5376
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	0
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	80
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	176
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	320
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	480
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	1424
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	1440
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	1456
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1120
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	3344
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	3360
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	3376
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	1760
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	5264



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Name	Input Value	Expected Value	Result
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	5280		
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	5296		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	16		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	80		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	448		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1120		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	640		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	1024		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	640		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	4016		
t_EOTEnterGainVspd_Kph_u9p7[0]	2560		
t_EOTEnterGainVspd_Kph_u9p7[1]	7552		
t_EOTEnterGainVspd_Kph_u9p7[2]	7680		
t_EOTEnterGainVspd_Kph_u9p7[3]	7808		
EOTActuatorMng_SESState_Uls_M_enum	SES_EXITING	SES_EXITING	✓

## Test Step 2.2 (Repeat Count = 1) ✓

Name	Input Value	Expected Value	Result
EOTActuatorMng_OutputRampMultLtd_M_f32	0.699000001		
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL		
EOTDet_Cnt_T_lgc	1		
EOTDisable_Cnt_T_lgc	0		
FiltHwTrq_HwNm_T_f32	10		
HandWheelAuth_Uls_T_f32	0.949999988		
HandWheelPos_HwDeg_T_f32	1250.31995		
LimitPosition_HwDeg_T_f32	-1200.05005		
VehicleSpeed_Kph_T_f32	30.3540001		
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.677999973		
k_EOTDeltaTrqThresh_HwNm_u9p7	1280		
k_EOTDynConf_Uls_u8p8	51		
k_EOTImpSpdEn_Kph_u9p7	5504		
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	160		
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	320		
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	480		
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	640		
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	496		
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	1472		
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	1488		
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	1504		
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1136		
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	3392		
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	3408		
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	3424		
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	1776		
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	5312		
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	5328		
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	5344		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	48		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	96		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	480		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1136		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	656		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	1040		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	672		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	4032		
t_EOTEnterGainVspd_Kph_u9p7[0]	2688		
t_EOTEnterGainVspd_Kph_u9p7[1]	7936		
t_EOTEnterGainVspd_Kph_u9p7[2]	8064		
t_EOTEnterGainVspd_Kph_u9p7[3]	8192		
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL	SES_NORMAL	✓

## Test Step 2.3 (Repeat Count = 1) ✓

Name	Input Value	Expected Value	Result
EOTActuatorMng_OutputRampMultLtd_M_f32	0.883000016		
EOTActuatorMng_SESState_Uls_M_enum	SES_ENTERING		
EOTDet_Cnt_T_lgc	1		

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Name	Input Value		
EOTDisable_Cnt_T_lgc	0		
FiltHwTrq_HwNm_T_f32	0		
HandWheelAuth_Uls_T_f32	0.839999974		
HandWheelPos_HwDeg_T_f32	1155.84998		
LimitPosition_HwDeg_T_f32	1200.35999		
VehicleSpeed_Kph_T_f32	36.1500015		
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.633000016		
k_EOTDeltaTrqThrsh_HwNm_u9p7	896		
k_EOTDynConf_Uls_u8p8	102		
k_EOTImpSpdEn_Kph_u9p7	5632		
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	800		
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	960		
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	1120		
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	1280		
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	512		
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	1520		
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	1536		
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	1552		
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1152		
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	3440		
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	3456		
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	3472		
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	1792		
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	5360		
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	5376		
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	5392		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	80		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	112		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	512		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1152		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	672		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	1056		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	704		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	4048		
t_EOTEnterGainVspd_Kph_u9p7[0]	2816		
t_EOTEnterGainVspd_Kph_u9p7[1]	8320		
t_EOTEnterGainVspd_Kph_u9p7[2]	8448		
t_EOTEnterGainVspd_Kph_u9p7[3]	8576		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_SESState_Uls_M_enum	SES_ENTERING	SES_ENTERING	✔

Test Step 2.4 (Repeat Count = 1)	
Name	Input Value
EOTActuatorMng_OutputRampMultLtd_M_f32	0.716000021
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL
EOTDet_Cnt_T_lgc	1
EOTDisable_Cnt_T_lgc	0
FiltHwTrq_HwNm_T_f32	5.0999999
HandWheelAuth_Uls_T_f32	0.850000024
HandWheelPos_HwDeg_T_f32	1150.70996
LimitPosition_HwDeg_T_f32	1000.53998
VehicleSpeed_Kph_T_f32	39.7859993
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.284000009
k_EOTDeltaTrqThrsh_HwNm_u9p7	768
k_EOTDynConf_Uls_u8p8	154
k_EOTImpSpdEn_Kph_u9p7	5760
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	1440
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	1600
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	1760
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	1920
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	528
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	1568
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	1584
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	1600
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1168
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	3488
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	3504
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	3520
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	1808
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	5408
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	5424

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Name	Input Value		
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	5440		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	112		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	128		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	544		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1168		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	688		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	1072		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	784		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	4064		
t_EOTEnterGainVspd_Kph_u9p7[0]	2944		
t_EOTEnterGainVspd_Kph_u9p7[1]	8704		
t_EOTEnterGainVspd_Kph_u9p7[2]	8832		
t_EOTEnterGainVspd_Kph_u9p7[3]	8960		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL	SES_NORMAL	✓

## Test Step 2.5 (Repeat Count = 1) ✓

Name	Input Value		
EOTActuatorMng_OutputRampMultLtd_M_f32	0.949999988		
EOTActuatorMng_SESState_Uls_M_enum	SES_ENTERING		
EOTDet_Cnt_T_lgc	1		
EOTDisable_Cnt_T_lgc	0		
FillHwTrq_HwNm_T_f32	-5.0999999		
HandWheelAuth_Uls_T_f32	0.860000014		
HandWheelPos_HwDeg_T_f32	1300.31995		
LimitPosition_HwDeg_T_f32	1300.78003		
VehicleSpeed_Kph_T_f32	41.6139984		
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.81099999		
k_EOTDeltaTrqThrsh_HwNm_u9p7	640		
k_EOTDynConf_Uls_u8p8	77		
k_EOTImpSpdEn_Kph_u9p7	5888		
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	0		
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	96		
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	160		
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	352		
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	544		
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	1616		
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	1632		
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	1648		
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1184		
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	3536		
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	3552		
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	3568		
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	1824		
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	5456		
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	5472		
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	5488		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	144		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	304		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	576		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1184		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	704		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	1088		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	768		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	4080		
t_EOTEnterGainVspd_Kph_u9p7[0]	3072		
t_EOTEnterGainVspd_Kph_u9p7[1]	9088		
t_EOTEnterGainVspd_Kph_u9p7[2]	9216		
t_EOTEnterGainVspd_Kph_u9p7[3]	9344		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_SESState_Uls_M_enum	SES_EXITING	SES_EXITING	✓

## Test Step 2.6 (Repeat Count = 1) ✓

Name	Input Value		
EOTActuatorMng_OutputRampMultLtd_M_f32	0.616999984		
EOTActuatorMng_SESState_Uls_M_enum	SES_ENTERING		
EOTDet_Cnt_T_lgc	1		
EOTDisable_Cnt_T_lgc	0		

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Name	Input Value		
FiltHwTrq_HwNm_T_f32	1.21000004		
HandWheelAuth_Uls_T_f32	0.899999976		
HandWheelPos_HwDeg_T_f32	150.610001		
LimitPosition_HwDeg_T_f32	-1440.10999		
VehicleSpeed_Kph_T_f32	28.9740009		
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.344000012		
k_EOTDeltaTrqThrsh_HwNm_u9p7	512		
k_EOTDynConf_Uls_u8p8	205		
k_EOTImpSpdEn_Kph_u9p7	6016		
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	160		
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	336		
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	480		
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	656		
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	560		
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	1664		
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	1680		
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	1696		
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1200		
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	3584		
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	3600		
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	3616		
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	1840		
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	5504		
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	5520		
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	5536		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	128		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	160		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	608		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1200		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	720		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	1104		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	800		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	4096		
t_EOTEnterGainVspd_Kph_u9p7[0]	3200		
t_EOTEnterGainVspd_Kph_u9p7[1]	9472		
t_EOTEnterGainVspd_Kph_u9p7[2]	9600		
t_EOTEnterGainVspd_Kph_u9p7[3]	9728		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL	SES_NORMAL	✓

Test Step 2.7 (Repeat Count = 1) ✓			
Name	Input Value		
EOTActuatorMng_OutputRampMultLtd_M_f32	0.245000005		
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL		
EOTDet_Cnt_T_lgc	1		
EOTDisable_Cnt_T_lgc	0		
FiltHwTrq_HwNm_T_f32	-1.53999996		
HandWheelAuth_Uls_T_f32	0.889999986		
HandWheelPos_HwDeg_T_f32	-250.279999		
LimitPosition_HwDeg_T_f32	1440.10999		
VehicleSpeed_Kph_T_f32	12.1540003		
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.660000026		
k_EOTDeltaTrqThrsh_HwNm_u9p7	384		
k_EOTDynConf_Uls_u8p8	128		
k_EOTImpSpdEn_Kph_u9p7	6144		
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	800		
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	960		
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	1152		
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	1296		
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	576		
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	1712		
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	1728		
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	1744		
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1216		
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	3632		
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	3648		
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	3664		
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	1856		
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	5552		
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	5568		
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	5584		

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Name	Input Value		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	112		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	176		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	640		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1216		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	736		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	1120		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	832		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	4112		
t_EOTEnterGainVspd_Kph_u9p7[0]	3328		
t_EOTEnterGainVspd_Kph_u9p7[1]	9856		
t_EOTEnterGainVspd_Kph_u9p7[2]	9984		
t_EOTEnterGainVspd_Kph_u9p7[3]	10112		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL	SES_NORMAL	✓

Test Step 2.8 (Repeat Count = 1)			
Name	Input Value		
EOTActuatorMng_OutputRampMultLtd_M_f32	0.853999972		
EOTActuatorMng_SESState_Uls_M_enum	SES_ENTERING		
EOTDet_Cnt_T_lgc	1		
EOTDisable_Cnt_T_lgc	0		
FiltHwTrq_HwNm_T_f32	2.8499999		
HandWheelAuth_Uls_T_f32	0.879999995		
HandWheelPos_HwDeg_T_f32	250.740005		
LimitPosition_HwDeg_T_f32	0		
VehicleSpeed_Kph_T_f32	16.0540009		
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.734000027		
k_EOTDeltaTrqThrsh_HwNm_u9p7	256		
k_EOTDynConf_Uls_u8p8	26		
k_EOTImpSpdEn_Kph_u9p7	6272		
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	1440		
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	1632		
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	1776		
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	2400		
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	592		
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	1760		
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	1776		
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	1792		
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1232		
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	3680		
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	3696		
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	3712		
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	1872		
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	5600		
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	5616		
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	5632		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	96		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	192		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	672		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1232		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	752		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	1136		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	864		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	4128		
t_EOTEnterGainVspd_Kph_u9p7[0]	3456		
t_EOTEnterGainVspd_Kph_u9p7[1]	10240		
t_EOTEnterGainVspd_Kph_u9p7[2]	10368		
t_EOTEnterGainVspd_Kph_u9p7[3]	10496		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_SESState_Uls_M_enum	SES_ENTERING	SES_ENTERING	✓

Test Step 2.9 (Repeat Count = 1)			
Name	Input Value		
EOTActuatorMng_OutputRampMultLtd_M_f32	0.204999998		
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL		
EOTDet_Cnt_T_lgc	1		
EOTDisable_Cnt_T_lgc	0		
FiltHwTrq_HwNm_T_f32	-2.3599999		

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Name	Input Value		
HandWheelAuth_Uls_T_f32	0.870000005		
HandWheelPos_HwDeg_T_f32	-350.609985		
LimitPosition_HwDeg_T_f32	-1000.09998		
VehicleSpeed_Kph_T_f32	18.1560001		
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.0939999968		
k_EOTDeltaTrqThrsh_HwNm_u9p7	128		
k_EOTDynConf_Uls_u8p8	51		
k_EOTImpSpdEn_Kph_u9p7	6400		
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	0		
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	64		
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	160		
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	368		
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	608		
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	1808		
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	1824		
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	1840		
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1248		
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	3728		
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	3744		
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	3760		
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	1888		
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	5648		
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	5664		
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	5680		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	80		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	208		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	704		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1248		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	768		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	1152		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	896		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	4144		
t_EOTEnterGainVspd_Kph_u9p7[0]	3584		
t_EOTEnterGainVspd_Kph_u9p7[1]	10624		
t_EOTEnterGainVspd_Kph_u9p7[2]	10752		
t_EOTEnterGainVspd_Kph_u9p7[3]	10880		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL	SES_NORMAL	✓

Test Step 2.10 (Repeat Count = 1)			
Name	Input Value		
EOTActuatorMng_OutputRampMultLtd_M_f32	0.388999999		
EOTActuatorMng_SESState_Uls_M_enum	SES_ENTERING		
EOTDet_Cnt_T_lgc	1		
EOTDisable_Cnt_T_lgc	0		
FiltHwTrq_HwNm_T_f32	3.45000005		
HandWheelAuth_Uls_T_f32	0.850000024		
HandWheelPos_HwDeg_T_f32	350.970001		
LimitPosition_HwDeg_T_f32	1000.09998		
VehicleSpeed_Kph_T_f32	22.7579994		
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.075000003		
k_EOTDeltaTrqThrsh_HwNm_u9p7	1152		
k_EOTDynConf_Uls_u8p8	77		
k_EOTImpSpdEn_Kph_u9p7	6528		
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	160		
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	352		
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	480		
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	720		
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	624		
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	1856		
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	1872		
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	1888		
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1264		
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	3776		
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	3792		
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	3808		
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	1904		
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	5696		
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	5712		
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	5728		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	64		

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Name	Input Value		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	224		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	736		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1264		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	784		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	1168		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	928		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	4160		
t_EOTEnterGainVspd_Kph_u9p7[0]	3712		
t_EOTEnterGainVspd_Kph_u9p7[1]	11008		
t_EOTEnterGainVspd_Kph_u9p7[2]	11136		
t_EOTEnterGainVspd_Kph_u9p7[3]	11264		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL	SES_NORMAL	✔

## Test Step 2.11 (Repeat Count = 1) ✓

Name	Input Value		
EOTActuatorMng_OutputRampMultLtd_M_f32	0.157000005		
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL		
EOTDet_Cnt_T_lgc	1		
EOTDisable_Cnt_T_lgc	0		
FiltHwTrq_HwNm_T_f32	-3.1500001		
HandWheelAuth_Uls_T_f32	0.959999979		
HandWheelPos_HwDeg_T_f32	-1440.10999		
LimitPosition_HwDeg_T_f32	-1100.84998		
VehicleSpeed_Kph_T_f32	27.0450001		
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.595000029		
k_EOTDeltaTrqThrsh_HwNm_u9p7	1024		
k_EOTDynConf_Uls_u8p8	230		
k_EOTImpSpdEn_Kph_u9p7	6656		
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	800		
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	960		
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	1120		
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	1280		
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	640		
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	1904		
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	1920		
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	1936		
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1280		
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	3824		
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	3840		
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	3856		
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	1920		
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	5744		
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	5760		
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	5776		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	48		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	240		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	768		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1280		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	800		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	1184		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	800		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	4176		
t_EOTEnterGainVspd_Kph_u9p7[0]	3840		
t_EOTEnterGainVspd_Kph_u9p7[1]	11392		
t_EOTEnterGainVspd_Kph_u9p7[2]	11520		
t_EOTEnterGainVspd_Kph_u9p7[3]	11648		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL	SES_NORMAL	✔

## Test Step 2.12 (Repeat Count = 1) ✓

Name	Input Value
EOTActuatorMng_OutputRampMultLtd_M_f32	0.321999997
EOTActuatorMng_SESState_Uls_M_enum	SES_ENTERING
EOTDet_Cnt_T_lgc	1
EOTDisable_Cnt_T_lgc	0
FiltHwTrq_HwNm_T_f32	4.98000002
HandWheelAuth_Uls_T_f32	0.970000029

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Name	Input Value	Expected Value	Result
HandWheelPos_HwDeg_T_f32	1440.10999		
LimitPosition_HwDeg_T_f32	900.450012		
VehicleSpeed_Kph_T_f32	11.0539999		
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.0869999975		
k_EOTDeltaTrqThrsh_HwNm_u9p7	896		
k_EOTDynConf_Uls_u8p8	246		
k_EOTImpSpdEn_Kph_u9p7	6784		
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	1440		
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	1920		
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	1760		
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	2000		
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	656		
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	1952		
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	1968		
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	1984		
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1296		
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	3872		
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	3888		
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	3904		
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	1936		
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	5792		
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	5808		
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	5824		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	32		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	256		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	800		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1296		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	816		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	1200		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	816		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	4192		
t_EOTEnterGainVspd_Kph_u9p7[0]	3968		
t_EOTEnterGainVspd_Kph_u9p7[1]	11776		
t_EOTEnterGainVspd_Kph_u9p7[2]	11904		
t_EOTEnterGainVspd_Kph_u9p7[3]	12032		
EOTActuatorMng_SESState_Uls_M_enum	SES_ENTERING	SES_ENTERING	✓

Test Step 2.13 (Repeat Count = 1)			
Name	Input Value	Expected Value	Result
EOTActuatorMng_OutputRampMultLtd_M_f32	0.247999996		
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL		
EOTDet_Cnt_T_lgc	1		
EOTDisable_Cnt_T_lgc	0		
FiltHwTrq_HwNm_T_f32	-4.71999979		
HandWheelAuth_Uls_T_f32	0.949999988		
HandWheelPos_HwDeg_T_f32	0		
LimitPosition_HwDeg_T_f32	-900.390015		
VehicleSpeed_Kph_T_f32	14.1269999		
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.00899999961		
k_EOTDeltaTrqThrsh_HwNm_u9p7	768		
k_EOTDynConf_Uls_u8p8	236		
k_EOTImpSpdEn_Kph_u9p7	6912		
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	0		
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	80		
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	160		
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	320		
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	672		
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	2000		
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	2016		
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	2032		
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1312		
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	3920		
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	3936		
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	3952		
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	1952		
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	5840		
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	5856		
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	5872		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	16		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	272		



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Name	Input Value		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	832		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1312		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	832		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	1216		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	864		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	4208		
t_EOTEnterGainVspd_Kph_u9p7[0]	4096		
t_EOTEnterGainVspd_Kph_u9p7[1]	12160		
t_EOTEnterGainVspd_Kph_u9p7[2]	12288		
t_EOTEnterGainVspd_Kph_u9p7[3]	12416		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL	SES_NORMAL	✓

## Test Step 2.14 (Repeat Count = 1) ✓

Name	Input Value		
EOTActuatorMng_OutputRampMultLtd_M_f32	0.643999994		
EOTActuatorMng_SESState_Uls_M_enum	SES_ENTERING		
EOTDet_Cnt_T_lgc	1		
EOTDisable_Cnt_T_lgc	0		
FiltHwTrq_HwNm_T_f32	6.25		
HandWheelAuth_Uls_T_f32	0.980000019		
HandWheelPos_HwDeg_T_f32	-900.099976		
LimitPosition_HwDeg_T_f32	800.469971		
VehicleSpeed_Kph_T_f32	15.0539999		
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.395999998		
k_EOTDeltaTrqThrsh_HwNm_u9p7	640		
k_EOTDynConf_Uls_u8p8	233		
k_EOTImpSpdEn_Kph_u9p7	7040		
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	160		
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	352		
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	480		
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	704		
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	688		
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	2048		
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	2064		
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	2080		
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1328		
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	3968		
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	3984		
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	4000		
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	1968		
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	5888		
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	5904		
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	5920		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	0		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	288		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	864		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1328		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	848		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	1232		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	896		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	4224		
t_EOTEnterGainVspd_Kph_u9p7[0]	4224		
t_EOTEnterGainVspd_Kph_u9p7[1]	12544		
t_EOTEnterGainVspd_Kph_u9p7[2]	12672		
t_EOTEnterGainVspd_Kph_u9p7[3]	12800		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_SESState_Uls_M_enum	SES_ENTERING	SES_ENTERING	✓

## Test Step 2.15 (Repeat Count = 1) ✓

Name	Input Value		
EOTActuatorMng_OutputRampMultLtd_M_f32	0.688000023		
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL		
EOTDet_Cnt_T_lgc	1		
EOTDisable_Cnt_T_lgc	0		
FiltHwTrq_HwNm_T_f32	-6.15999985		
HandWheelAuth_Uls_T_f32	0.910000026		
HandWheelPos_HwDeg_T_f32	900.099976		

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Name	Input Value		
LimitPosition_HwDeg_T_f32	-800.450012		
VehicleSpeed_Kph_T_f32	16.0340004		
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.331		
k_EOTDeltaTrqThrsh_HwNm_u9p7	512		
k_EOTDynConf_Uls_u8p8	230		
k_EOTImpSpdEn_Kph_u9p7	7168		
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	800		
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	960		
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	1120		
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	1280		
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	704		
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	2096		
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	2112		
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	2128		
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1344		
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	4016		
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	4032		
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	4048		
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	1984		
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	5936		
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	5952		
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	5968		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	144		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	304		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	896		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1344		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	864		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	1248		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	928		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	4240		
t_EOTEnterGainVspd_Kph_u9p7[0]	4352		
t_EOTEnterGainVspd_Kph_u9p7[1]	12928		
t_EOTEnterGainVspd_Kph_u9p7[2]	13056		
t_EOTEnterGainVspd_Kph_u9p7[3]	13184		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_SESState_Uls_M_enum	SES_EXITING	SES_EXITING	✓

Test Step 2.16 (Repeat Count = 1) ✓			
Name	Input Value		
EOTActuatorMng_OutputRampMultLtd_M_f32	0.177000001		
EOTActuatorMng_SESState_Uls_M_enum	SES_ENTERING		
EOTDet_Cnt_T_lgc	0		
EOTDisable_Cnt_T_lgc	1		
FiltHwTrq_HwNm_T_f32	7.88999987		
HandWheelAuth_Uls_T_f32	0		
HandWheelPos_HwDeg_T_f32	400.809998		
LimitPosition_HwDeg_T_f32	700.869995		
VehicleSpeed_Kph_T_f32	18.0473003		
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.0540000014		
k_EOTDeltaTrqThrsh_HwNm_u9p7	384		
k_EOTDynConf_Uls_u8p8	32000		
k_EOTImpSpdEn_Kph_u9p7	7296		
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	1440		
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	1616		
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	1760		
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	2000		
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	720		
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	2144		
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	2160		
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	2176		
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1360		
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	4064		
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	4080		
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	4096		
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	2000		
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	5984		
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	6000		
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	6016		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	128		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	320		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	928		

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Name	Input Value	Expected Value	Result
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1360		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	880		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	1264		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	800		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	4256		
t_EOTEnterGainVspd_Kph_u9p7[0]	4480		
t_EOTEnterGainVspd_Kph_u9p7[1]	13312		
t_EOTEnterGainVspd_Kph_u9p7[2]	13440		
t_EOTEnterGainVspd_Kph_u9p7[3]	13568		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED	SES_DISABLED	✓

## Test Step 2.17 (Repeat Count = 1) ✓

Name	Input Value	Expected Value	Result
EOTActuatorMng_OutputRampMultLtd_M_f32	0.0140000004		
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL		
EOTDet_Cnt_T_lgc	0		
EOTDisable_Cnt_T_lgc	1		
FiltHwTrq_HwNm_T_f32	-7.86999989		
HandWheelAuth_Uls_T_f32	1		
HandWheelPos_HwDeg_T_f32	422.070007		
LimitPosition_HwDeg_T_f32	-700.23999		
VehicleSpeed_Kph_T_f32	20.5639992		
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.388999999		
k_EOTDeltaTrqThrsh_HwNm_u9p7	256		
k_EOTDynConf_Uls_u8p8	51200		
k_EOTImpSpdEn_Kph_u9p7	7424		
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	0		
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	80		
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	160		
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	320		
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	736		
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	2192		
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	2208		
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	2224		
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1376		
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	4112		
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	4128		
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	4144		
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	2016		
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	6032		
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	6048		
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	6064		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	112		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	336		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	960		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1376		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	896		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	1280		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	832		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	4272		
t_EOTEnterGainVspd_Kph_u9p7[0]	4608		
t_EOTEnterGainVspd_Kph_u9p7[1]	13696		
t_EOTEnterGainVspd_Kph_u9p7[2]	13824		
t_EOTEnterGainVspd_Kph_u9p7[3]	13952		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED	SES_DISABLED	✓

## Test Step 2.18 (Repeat Count = 1) ✓

Name	Input Value	Expected Value	Result
EOTActuatorMng_OutputRampMultLtd_M_f32	0.577000022		
EOTActuatorMng_SESState_Uls_M_enum	SES_ENTERING		
EOTDet_Cnt_T_lgc	1		
EOTDisable_Cnt_T_lgc	0		
FiltHwTrq_HwNm_T_f32	8.64999962		
HandWheelAuth_Uls_T_f32	0.823400021		
HandWheelPos_HwDeg_T_f32	555.340027		
LimitPosition_HwDeg_T_f32	600.150024		

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Name	Input Value	Expected Value	Result
VehicleSpeed_Kph_T_f32	25.4990005		
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.995000005		
k_EOTDeltaTrqThrsh_HwNm_u9p7	128		
k_EOTDynConf_Uls_u8p8	3072		
k_EOTImpSpdEn_Kph_u9p7	7552		
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	192		
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	352		
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	480		
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	672		
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	752		
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	2240		
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	2256		
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	2272		
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1392		
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	4160		
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	4176		
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	4192		
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	2032		
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	6080		
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	6096		
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	6112		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	96		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	352		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	992		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1392		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	912		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	1296		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	864		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	4288		
t_EOTEnterGainVspd_Kph_u9p7[0]	4736		
t_EOTEnterGainVspd_Kph_u9p7[1]	14080		
t_EOTEnterGainVspd_Kph_u9p7[2]	14208		
t_EOTEnterGainVspd_Kph_u9p7[3]	14336		
<b>Name</b>	<b>Actual Value</b>	<b>Expected Value</b>	<b>Result</b>
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED	SES_DISABLED	✓

Test Step 2.19 (Repeat Count = 1) ✓			
Name	Input Value	Expected Value	Result
EOTActuatorMng_OutputRampMultLtd_M_f32	0.839999974		
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL		
EOTDet_Cnt_T_lgc	1		
EOTDisable_Cnt_T_lgc	0		
FltHwTrq_HwNm_T_f32	-8.36999989		
HandWheelAuth_Uls_T_f32	0.899999976		
HandWheelPos_HwDeg_T_f32	578.140015		
LimitPosition_HwDeg_T_f32	-600.869995		
VehicleSpeed_Kph_T_f32	0		
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.209999993		
k_EOTDeltaTrqThrsh_HwNm_u9p7	1152		
k_EOTDynConf_Uls_u8p8	223		
k_EOTImpSpdEn_Kph_u9p7	7680		
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	832		
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	1008		
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	1184		
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	1360		
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	768		
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	2288		
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	2304		
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	2320		
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1408		
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	4208		
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	4224		
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	4240		
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	2048		
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	6128		
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	6144		
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	6160		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	80		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	368		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	1024		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1408		

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Name	Input Value	Expected Value	Result
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	928		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	1312		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	896		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	4304		
t_EOTEnterGainVspd_Kph_u9p7[0]	4864		
t_EOTEnterGainVspd_Kph_u9p7[1]	14464		
t_EOTEnterGainVspd_Kph_u9p7[2]	14592		
t_EOTEnterGainVspd_Kph_u9p7[3]	14720		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL	SES_NORMAL	✓

## Test Step 2.20 (Repeat Count = 1) ✓

Name	Input Value	Expected Value	Result
EOTActuatorMng_OutputRampMultLtd_M_f32	0.697000027		
EOTActuatorMng_SESState_Uls_M_enum	SES_ENTERING		
EOTDet_Cnt_T_lgc	1		
EOTDisable_Cnt_T_lgc	0		
FiltHwTrq_HwNm_T_f32	9.18000031		
HandWheelAuth_Uls_T_f32	0.910000026		
HandWheelPos_HwDeg_T_f32	666.054016		
LimitPosition_HwDeg_T_f32	500.980011		
VehicleSpeed_Kph_T_f32	511.992188		
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.86500001		
k_EOTDeltaTrqThrsh_HwNm_u9p7	1024		
k_EOTDynConf_Uls_u8p8	25600		
k_EOTImpSpdEn_Kph_u9p7	7808		
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	1456		
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	1664		
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	1888		
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	2032		
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	784		
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	2336		
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	2352		
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	2368		
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1424		
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	4256		
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	4272		
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	4288		
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	2064		
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	6176		
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	6192		
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	6208		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	64		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	384		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	1056		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1424		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	944		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	1328		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	832		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	4320		
t_EOTEnterGainVspd_Kph_u9p7[0]	4992		
t_EOTEnterGainVspd_Kph_u9p7[1]	14848		
t_EOTEnterGainVspd_Kph_u9p7[2]	14976		
t_EOTEnterGainVspd_Kph_u9p7[3]	15104		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED	SES_DISABLED	✓

## Test Step 2.21 (Repeat Count = 1) ✓

Name	Input Value	Expected Value	Result
EOTActuatorMng_OutputRampMultLtd_M_f32	0.99000001		
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL		
EOTDet_Cnt_T_lgc	1		
EOTDisable_Cnt_T_lgc	0		
FiltHwTrq_HwNm_T_f32	-9.67000008		
HandWheelAuth_Uls_T_f32	0.920000017		
HandWheelPos_HwDeg_T_f32	694.370972		
LimitPosition_HwDeg_T_f32	-500.450012		
VehicleSpeed_Kph_T_f32	24.1000004		

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Name	Input Value		
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.0430000015		
k_EOTDeltaTrqThrsh_HwNm_u9p7	896		
k_EOTDynConf_Uls_u8p8	233		
k_EOTImpSpdEn_Kph_u9p7	7936		
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	0		
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	96		
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	192		
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	400		
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	800		
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	2384		
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	2400		
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	2416		
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1440		
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	4304		
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	4320		
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	4336		
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	2080		
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	6224		
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	6240		
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	6256		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	48		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	400		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	560		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	720		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	960		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	1344		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	848		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	4336		
t_EOTEnterGainVspd_Kph_u9p7[0]	5120		
t_EOTEnterGainVspd_Kph_u9p7[1]	15232		
t_EOTEnterGainVspd_Kph_u9p7[2]	15360		
t_EOTEnterGainVspd_Kph_u9p7[3]	15488		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_SESState_Uls_M_enum	SES_EXITING	SES_EXITING	✓

Test Step 2.22 (Repeat Count = 1)			
Name	Input Value		
EOTActuatorMng_OutputRampMultLtd_M_f32	0.7480000026		
EOTActuatorMng_SESState_Uls_M_enum	SES_ENTERING		
EOTDet_Cnt_T_lgc	0		
EOTDisable_Cnt_T_lgc	0		
FiltHwTrq_HwNm_T_f32	6.94000006		
HandWheelAuth_Uls_T_f32	0.9800000019		
HandWheelPos_HwDeg_T_f32	-900.064026		
LimitPosition_HwDeg_T_f32	800.280029		
VehicleSpeed_Kph_T_f32	15.3540001		
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.69599998		
k_EOTDeltaTrqThrsh_HwNm_u9p7	640		
k_EOTDynConf_Uls_u8p8	233		
k_EOTImpSpdEn_Kph_u9p7	7040		
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	160		
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	352		
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	480		
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	704		
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	688		
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	2048		
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	2064		
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	2080		
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1328		
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	3968		
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	3984		
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	4000		
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	1968		
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	5888		
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	5904		
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	5920		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	0		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	288		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	864		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1328		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	848		

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Name	Input Value	Expected Value	Result
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	1232		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	896		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	4224		
t_EOTEnterGainVspd_Kph_u9p7[0]	4224		
t_EOTEnterGainVspd_Kph_u9p7[1]	12544		
t_EOTEnterGainVspd_Kph_u9p7[2]	12672		
t_EOTEnterGainVspd_Kph_u9p7[3]	12800		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED	SES_DISABLED	✓

## Test Step 2.23 (Repeat Count = 1)

Name	Input Value	Expected Value	Result
EOTActuatorMng_OutputRampMultLtd_M_f32	0.769999981		
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL		
EOTDet_Cnt_T_lgc	1		
EOTDisable_Cnt_T_lgc	0		
FiltHwTrq_HwNm_T_f32	-6.17999983		
HandWheelAuth_Uls_T_f32	0.910000026		
HandWheelPos_HwDeg_T_f32	900.036987		
LimitPosition_HwDeg_T_f32	-800.469971		
VehicleSpeed_Kph_T_f32	16.6539993		
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.61500001		
k_EOTDeltaTrqThrsh_HwNm_u9p7	512		
k_EOTDynConf_Uls_u8p8	230		
k_EOTImpSpdEn_Kph_u9p7	7168		
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	800		
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	960		
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	1120		
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	1280		
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	704		
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	2096		
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	2112		
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	2128		
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1344		
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	4016		
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	4032		
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	4048		
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	1984		
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	5936		
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	5952		
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	5968		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	144		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	304		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	896		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1344		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	864		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	1248		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	928		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	4240		
t_EOTEnterGainVspd_Kph_u9p7[0]	4352		
t_EOTEnterGainVspd_Kph_u9p7[1]	12928		
t_EOTEnterGainVspd_Kph_u9p7[2]	13056		
t_EOTEnterGainVspd_Kph_u9p7[3]	13184		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_SESState_Uls_M_enum	SES_EXITING	SES_EXITING	✓

## Test Step 2.24 (Repeat Count = 1)

Name	Input Value	Expected Value	Result
EOTActuatorMng_OutputRampMultLtd_M_f32	0.832000017		
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED		
EOTDet_Cnt_T_lgc	1		
EOTDisable_Cnt_T_lgc	0		
FiltHwTrq_HwNm_T_f32	2.5		
HandWheelAuth_Uls_T_f32	0.949999988		
HandWheelPos_HwDeg_T_f32	333.414001		
LimitPosition_HwDeg_T_f32	300.829987		
VehicleSpeed_Kph_T_f32	27.4580002		
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.200000003		

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Name	Input Value		
k_EOTDeltaTrqThrsh_HwNm_u9p7	512		
k_EOTDynConf_Uls_u8p8	51200		
k_EOTImpSpdEn_Kph_u9p7	8320		
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	1456		
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	1616		
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	1840		
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	2048		
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	848		
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	2528		
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	2544		
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	2560		
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1488		
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	4448		
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	4464		
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	4480		
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	2128		
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	6368		
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	6384		
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	6400		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	48		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	240		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	928		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	4240		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	1056		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	1440		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	640		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	3376		
t_EOTEnterGainVspd_Kph_u9p7[0]	5504		
t_EOTEnterGainVspd_Kph_u9p7[1]	16384		
t_EOTEnterGainVspd_Kph_u9p7[2]	16512		
t_EOTEnterGainVspd_Kph_u9p7[3]	16640		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED	SES_DISABLED	✓

Test Step 2.25 (Repeat Count = 1)			
Name	Input Value		
EOTActuatorMng_OutputRampMultLtd_M_f32	0.275000006		
EOTActuatorMng_SESState_Uls_M_enum	SES_EXITING		
EOTDet_Cnt_T_lgc	1		
EOTDisable_Cnt_T_lgc	1		
FiltHwTrq_HwNm_T_f32	-2.5		
HandWheelAuth_Uls_T_f32	0.899999976		
HandWheelPos_HwDeg_T_f32	444.816986		
LimitPosition_HwDeg_T_f32	-300.290009		
VehicleSpeed_Kph_T_f32	25.5400009		
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.372000009		
k_EOTDeltaTrqThrsh_HwNm_u9p7	384		
k_EOTDynConf_Uls_u8p8	21504		
k_EOTImpSpdEn_Kph_u9p7	8448		
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	1504		
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	4496		
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	4512		
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	4528		
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	864		
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	2576		
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	2592		
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	2608		
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1504		
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	4496		
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	4512		
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	4528		
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	2144		
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	6416		
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	6432		
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	6448		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	32		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	256		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	800		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	4256		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	1072		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	1456		



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Name	Input Value		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	192		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	3392		
t_EOTEnterGainVspd_Kph_u9p7[0]	5632		
t_EOTEnterGainVspd_Kph_u9p7[1]	16768		
t_EOTEnterGainVspd_Kph_u9p7[2]	16896		
t_EOTEnterGainVspd_Kph_u9p7[3]	17024		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED	SES_DISABLED	✔

## Test Step 2.26 (Repeat Count = 1)

Name	Input Value		
EOTActuatorMng_OutputRampMultLtd_M_f32	0.331		
EOTActuatorMng_SESSState_Uls_M_enum	SES_DISABLED		
EOTDet_Cnt_T_lgc	1		
EOTDisable_Cnt_T_lgc	1		
FiltHwTrq_HwNm_T_f32	-2		
HandWheelAuth_Uls_T_f32	0.870000005		
HandWheelPos_HwDeg_T_f32	-350.200989		
LimitPosition_HwDeg_T_f32	-1000.03998		
VehicleSpeed_Kph_T_f32	18.8899994		
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.465000004		
k_EOTDeltaTrqThrsh_HwNm_u9p7	128		
k_EOTDynConf_Uls_u8p8	3072		
k_EOTImpSpdEn_Kph_u9p7	6400		
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	1520		
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	4544		
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	4560		
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	4576		
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	880		
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	2624		
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	2640		
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	2656		
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1520		
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	4544		
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	4560		
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	4576		
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	2160		
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	6464		
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	6480		
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	6496		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	16		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	272		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	352		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	4272		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	1088		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	1472		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	704		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	3408		
t_EOTEnterGainVspd_Kph_u9p7[0]	5760		
t_EOTEnterGainVspd_Kph_u9p7[1]	17152		
t_EOTEnterGainVspd_Kph_u9p7[2]	17280		
t_EOTEnterGainVspd_Kph_u9p7[3]	17408		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_SESSState_Uls_M_enum	SES_DISABLED	SES_DISABLED	✔

## Test Step 2.27 (Repeat Count = 1)

Name	Input Value
EOTActuatorMng_OutputRampMultLtd_M_f32	0.666000009
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL
EOTDet_Cnt_T_lgc	0
EOTDisable_Cnt_T_lgc	1
FiltHwTrq_HwNm_T_f32	9.5
HandWheelAuth_Uls_T_f32	0.879999995
HandWheelPos_HwDeg_T_f32	-333.51001
LimitPosition_HwDeg_T_f32	777.653992
VehicleSpeed_Kph_T_f32	14.8959999
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.990000001
k_EOTDeltaTrqThrsh_HwNm_u9p7	512

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SES\_StateCtrl

Name	Input Value	Expected Value	Result
k_EOTDynConf_Uls_u8p8	9216		
k_EOTImpSpdEn_Kph_u9p7	4736		
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	1536		
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	4592		
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	4608		
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	4624		
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	896		
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	2672		
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	2688		
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	2704		
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1536		
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	4592		
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	4608		
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	4624		
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	2176		
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	6512		
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	6528		
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	6544		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	0		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	288		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	384		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	4288		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	1104		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	1488		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	256		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	3424		
t_EOTEnterGainVspd_Kph_u9p7[0]	5888		
t_EOTEnterGainVspd_Kph_u9p7[1]	17536		
t_EOTEnterGainVspd_Kph_u9p7[2]	17664		
t_EOTEnterGainVspd_Kph_u9p7[3]	17792		
<b>Name</b>	<b>Actual Value</b>	<b>Expected Value</b>	<b>Result</b>
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED	SES_DISABLED	✓

Test Step 2.28 (Repeat Count = 1) ✓			
Name	Input Value	Expected Value	Result
EOTActuatorMng_OutputRampMultLtd_M_f32	0.663999975		
EOTActuatorMng_SESState_Uls_M_enum	SES_ENTERING		
EOTDet_Cnt_T_lgc	1		
EOTDisable_Cnt_T_lgc	0		
FiltHwTrq_HwNm_T_f32	3.5		
HandWheelAuth_Uls_T_f32	0.899999976		
HandWheelPos_HwDeg_T_f32	-854.036987		
LimitPosition_HwDeg_T_f32	111.650002		
VehicleSpeed_Kph_T_f32	10.0564003		
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.606000006		
k_EOTDeltaTrqThrsh_HwNm_u9p7	256		
k_EOTDynConf_Uls_u8p8	0		
k_EOTImpSpdEn_Kph_u9p7	8576		
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	1552		
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	4640		
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	4656		
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	4672		
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	912		
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	2720		
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	2736		
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	2752		
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1552		
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	4640		
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	4656		
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	4672		
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	2192		
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	6560		
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	6576		
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	6592		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	144		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	304		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	896		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	4304		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	1120		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	1504		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	288		

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Name	Input Value		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	3440		
t_EOTEnterGainVspd_Kph_u9p7[0]	6016		
t_EOTEnterGainVspd_Kph_u9p7[1]	17920		
t_EOTEnterGainVspd_Kph_u9p7[2]	18048		
t_EOTEnterGainVspd_Kph_u9p7[3]	18176		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_SESState_Uls_M_enum	SES_ENTERING	SES_ENTERING	✔

## Test Step 2.29 (Repeat Count = 1) ✓

Name	Input Value		
EOTActuatorMng_OutputRampMultLtd_M_f32	0.0489999987		
EOTActuatorMng_SESState_Uls_M_enum	SES_EXITING		
EOTDet_Cnt_T_lgc	0		
EOTDisable_Cnt_T_lgc	1		
FiltHwTrq_HwNm_T_f32	9.5		
HandWheelAuth_Uls_T_f32	0.879999995		
HandWheelPos_HwDeg_T_f32	-333.51001		
LimitPosition_HwDeg_T_f32	777.653992		
VehicleSpeed_Kph_T_f32	14.8959999		
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.91900003		
k_EOTDeltaTrqThrsh_HwNm_u9p7	512		
k_EOTDynConf_Uls_u8p8	9216		
k_EOTImpSpdEn_Kph_u9p7	4736		
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	1536		
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	4592		
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	4608		
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	4624		
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	896		
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	2672		
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	2688		
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	2704		
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1536		
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	4592		
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	4608		
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	4624		
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	2176		
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	6512		
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	6528		
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	6544		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	0		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	288		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	384		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	4288		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	1104		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	1488		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	256		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	3424		
t_EOTEnterGainVspd_Kph_u9p7[0]	5888		
t_EOTEnterGainVspd_Kph_u9p7[1]	17536		
t_EOTEnterGainVspd_Kph_u9p7[2]	17664		
t_EOTEnterGainVspd_Kph_u9p7[3]	17792		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED	SES_DISABLED	✔

## Test Step 2.30 (Repeat Count = 1) ✓

Name	Input Value
EOTActuatorMng_OutputRampMultLtd_M_f32	0.771000028
EOTActuatorMng_SESState_Uls_M_enum	SES_ENTERING
EOTDet_Cnt_T_lgc	1
EOTDisable_Cnt_T_lgc	0
FiltHwTrq_HwNm_T_f32	3.5
HandWheelAuth_Uls_T_f32	0.899999976
HandWheelPos_HwDeg_T_f32	-854.036987
LimitPosition_HwDeg_T_f32	111.650002
VehicleSpeed_Kph_T_f32	10.0564003
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.273000002
k_EOTDeltaTrqThrsh_HwNm_u9p7	256
k_EOTDynConf_Uls_u8p8	0

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Name	Input Value	Expected Value	Result
k_EOTImpSpdEn_Kph_u9p7	8576		
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	1552		
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	4640		
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	4656		
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	4672		
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	912		
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	2720		
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	2736		
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	2752		
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1552		
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	4640		
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	4656		
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	4672		
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	2192		
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	6560		
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	6576		
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	6592		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	144		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	304		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	896		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	4304		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	1120		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	1504		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	288		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	3440		
t_EOTEnterGainVspd_Kph_u9p7[0]	6016		
t_EOTEnterGainVspd_Kph_u9p7[1]	17920		
t_EOTEnterGainVspd_Kph_u9p7[2]	18048		
t_EOTEnterGainVspd_Kph_u9p7[3]	18176		
EOTActuatorMng_SESState_Uls_M_enum	SES_ENTERING	SES_ENTERING	✓

Test Step 2.31 (Repeat Count = 1) ✓			
Name	Input Value	Expected Value	Result
EOTActuatorMng_OutputRampMultLtd_M_f32	0.0599999987		
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL		
EOTDet_Cnt_T_lgc	1		
EOTDisable_Cnt_T_lgc	0		
FiltHwTrq_HwNm_T_f32	-3.5		
HandWheelAuth_Uls_T_f32	0.949999988		
HandWheelPos_HwDeg_T_f32	999.064026		
LimitPosition_HwDeg_T_f32	-111.449997		
VehicleSpeed_Kph_T_f32	20.4599991		
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.875999987		
k_EOTDeltaTrqThrsh_HwNm_u9p7	128		
k_EOTDynConf_Uls_u8p8	65535		
k_EOTImpSpdEn_Kph_u9p7	8704		
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	1568		
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	4688		
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	4704		
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	4720		
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	928		
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	2768		
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	2784		
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	2800		
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1568		
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	4688		
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	4704		
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	4720		
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	2208		
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	6608		
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	6624		
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	6640		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	480		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	2656		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	928		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	4320		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	1280		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	736		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	640		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	3456		

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Name	Input Value	Expected Value	Result
t_EOTEnterGainVspd_Kph_u9p7[0]	6144		
t_EOTEnterGainVspd_Kph_u9p7[1]	18304		
t_EOTEnterGainVspd_Kph_u9p7[2]	18432		
t_EOTEnterGainVspd_Kph_u9p7[3]	18560		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED	SES_DISABLED	✓

## Test Step 2.32 (Repeat Count = 1)

Name	Input Value	Expected Value	Result
EOTActuatorMng_OutputRampMultLtd_M_f32	0.291000009		
EOTActuatorMng_SESState_Uls_M_enum	SES_ENTERING		
EOTDet_Cnt_T_lgc	0		
EOTDisable_Cnt_T_lgc	1		
FiltHwTrq_HwNm_T_f32	4.5		
HandWheelAuth_Uls_T_f32	0.839999974		
HandWheelPos_HwDeg_T_f32	-888.070984		
LimitPosition_HwDeg_T_f32	222.654007		
VehicleSpeed_Kph_T_f32	5.01499987		
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.349000007		
k_EOTDeltaTrqThrsh_HwNm_u9p7	1152		
k_EOTDynConf_Uls_u8p8	205		
k_EOTImpSpdEn_Kph_u9p7	8832		
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	1584		
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	4736		
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	4752		
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	4768		
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	944		
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	2816		
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	2832		
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	2848		
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1584		
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	4736		
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	4752		
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	4768		
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	2224		
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	6656		
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	6672		
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	6688		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	352		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	2672		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	800		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	4336		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	1312		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	752		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	352		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	3472		
t_EOTEnterGainVspd_Kph_u9p7[0]	6272		
t_EOTEnterGainVspd_Kph_u9p7[1]	18688		
t_EOTEnterGainVspd_Kph_u9p7[2]	18816		
t_EOTEnterGainVspd_Kph_u9p7[3]	18944		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED	SES_DISABLED	✓

## Test Step 2.33 (Repeat Count = 1)

Name	Input Value	Expected Value	Result
EOTActuatorMng_OutputRampMultLtd_M_f32	0.218999997		
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL		
EOTDet_Cnt_T_lgc	1		
EOTDisable_Cnt_T_lgc	0		
FiltHwTrq_HwNm_T_f32	-4.5		
HandWheelAuth_Uls_T_f32	0.850000024		
HandWheelPos_HwDeg_T_f32	888.034973		
LimitPosition_HwDeg_T_f32	-222.354996		
VehicleSpeed_Kph_T_f32	15.1560001		
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.388000011		
k_EOTDeltaTrqThrsh_HwNm_u9p7	1024		
k_EOTDynConf_Uls_u8p8	21760		
k_EOTImpSpdEn_Kph_u9p7	0		

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Name	Input Value		
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	1600		
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	4784		
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	4800		
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	4816		
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	960		
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	2864		
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	2880		
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	2896		
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1600		
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	4784		
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	4800		
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	4816		
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	2240		
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	6704		
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	6720		
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	6736		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	336		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	480		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	320		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	800		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	320		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	0		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	4480		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	5760		
t_EOTEnterGainVspd_Kph_u9p7[0]	6400		
t_EOTEnterGainVspd_Kph_u9p7[1]	19072		
t_EOTEnterGainVspd_Kph_u9p7[2]	19200		
t_EOTEnterGainVspd_Kph_u9p7[3]	19328		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED	SES_DISABLED	✓

Test Step 2.34 (Repeat Count = 1)			
Name	Input Value		
EOTActuatorMng_OutputRampMultLtd_M_f32	0.148000002		
EOTActuatorMng_SESState_Uls_M_enum	SES_ENTERING		
EOTDet_Cnt_T_lgc	0		
EOTDisable_Cnt_T_lgc	1		
FillHwTrq_HwNm_T_f32	5.5		
HandWheelAuth_Uls_T_f32	0.860000014		
HandWheelPos_HwDeg_T_f32	-777.067017		
LimitPosition_HwDeg_T_f32	333.544006		
VehicleSpeed_Kph_T_f32	25.0650005		
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.217999995		
k_EOTDeltaTrqThrsh_HwNm_u9p7	896		
k_EOTDynConf_Uls_u8p8	17664		
k_EOTImpSpdEn_Kph_u9p7	32640		
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	1616		
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	4832		
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	4848		
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	4864		
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	976		
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	2912		
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	2928		
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	2944		
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1616		
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	4832		
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	4848		
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	4864		
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	2256		
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	6752		
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	6768		
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	6784		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	352		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	496		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	336		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	960		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	3200		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	4800		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	3520		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	5760		
t_EOTEnterGainVspd_Kph_u9p7[0]	6528		

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Name	Input Value	Expected Value	Result
t_EOTEnterGainVspd_Kph_u9p7[1]	19456		
t_EOTEnterGainVspd_Kph_u9p7[2]	19584		
t_EOTEnterGainVspd_Kph_u9p7[3]	19712		
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED	SES_DISABLED	✓

## Test Step 2.35 (Repeat Count = 1)

Name	Input Value	Expected Value	Result
EOTActuatorMng_OutputRampMultLtd_M_f32	0.768999994		
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL		
EOTDet_Cnt_T_lgc	1		
EOTDisable_Cnt_T_lgc	0		
FiltHwTrq_HwNm_T_f32	-5.5		
HandWheelAuth_Uls_T_f32	0.899999976		
HandWheelPos_HwDeg_T_f32	777.315002		
LimitPosition_HwDeg_T_f32	-333.544006		
VehicleSpeed_Kph_T_f32	28.0779991		
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.611000001		
k_EOTDeltaTrqThrsh_HwNm_u9p7	768		
k_EOTDynConf_Uls_u8p8	8704		
k_EOTImpSpdEn_Kph_u9p7	3840		
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	1632		
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	4880		
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	4896		
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	4912		
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	992		
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	2960		
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	2976		
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	2992		
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1632		
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	4880		
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	4896		
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	4912		
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	2272		
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	6800		
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	6816		
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	6832		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	368		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	512		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	352		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1440		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	3360		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	4960		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	4640		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	5760		
t_EOTEnterGainVspd_Kph_u9p7[0]	6656		
t_EOTEnterGainVspd_Kph_u9p7[1]	19840		
t_EOTEnterGainVspd_Kph_u9p7[2]	19968		
t_EOTEnterGainVspd_Kph_u9p7[3]	20096		
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED	SES_DISABLED	✓

## Test Step 2.36 (Repeat Count = 1)

Name	Input Value	Expected Value	Result
EOTActuatorMng_OutputRampMultLtd_M_f32	0.654999971		
EOTActuatorMng_SESState_Uls_M_enum	SES_ENTERING		
EOTDet_Cnt_T_lgc	0		
EOTDisable_Cnt_T_lgc	1		
FiltHwTrq_HwNm_T_f32	6.5		
HandWheelAuth_Uls_T_f32	0.889999986		
HandWheelPos_HwDeg_T_f32	-666.057007		
LimitPosition_HwDeg_T_f32	444.993988		
VehicleSpeed_Kph_T_f32	12.9809999		
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.328000009		
k_EOTDeltaTrqThrsh_HwNm_u9p7	640		
k_EOTDynConf_Uls_u8p8	19200		
k_EOTImpSpdEn_Kph_u9p7	3968		
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	544		

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Name	Input Value	Expected Value	Result
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	1616		
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	1632		
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	1648		
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	1008		
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	3008		
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	3024		
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	3040		
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1648		
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	4928		
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	4944		
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	4960		
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	2288		
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	6848		
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	6864		
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	6880		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	0		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	0		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	0		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	0		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	0		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	0		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	0		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	0		
t_EOTEnterGainVspd_Kph_u9p7[0]	6784		
t_EOTEnterGainVspd_Kph_u9p7[1]	20224		
t_EOTEnterGainVspd_Kph_u9p7[2]	20352		
t_EOTEnterGainVspd_Kph_u9p7[3]	20480		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED	SES_DISABLED	✓

Test Step 2.37 (Repeat Count = 1)			
Name	Input Value	Expected Value	Result
EOTActuatorMng_OutputRampMultLtd_M_f32	0.377000004		
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL		
EOTDet_Cnt_T_lgc	1		
EOTDisable_Cnt_T_lgc	0		
FiltHwTrq_HwNm_T_f32	-6.5		
HandWheelAuth_Uls_T_f32	0.879999995		
HandWheelPos_HwDeg_T_f32	666.314026		
LimitPosition_HwDeg_T_f32	-444.740997		
VehicleSpeed_Kph_T_f32	16.1280003		
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.0270000007		
k_EOTDeltaTrqThrsh_HwNm_u9p7	1152		
k_EOTDynConf_Uls_u8p8	32000		
k_EOTImpSpdEn_Kph_u9p7	4096		
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	560		
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	1664		
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	1680		
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	1696		
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	1024		
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	3056		
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	3072		
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	3088		
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1664		
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	4976		
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	4992		
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	5008		
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	2304		
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	6896		
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	6912		
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	6928		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	5760		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	5760		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	5760		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	5760		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	5760		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	5760		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	5760		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	5760		
t_EOTEnterGainVspd_Kph_u9p7[0]	6912		
t_EOTEnterGainVspd_Kph_u9p7[1]	20608		



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Name	Input Value		
t_EOTEnterGainVspd_Kph_u9p7[2]	20736		
t_EOTEnterGainVspd_Kph_u9p7[3]	20864		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED	SES_DISABLED	✓

## Test Step 2.38 (Repeat Count = 1) ✓

Name	Input Value		
EOTActuatorMng_OutputRampMultLtd_M_f32	0.85799998		
EOTActuatorMng_SESState_Uls_M_enum	SES_ENTERING		
EOTDet_Cnt_T_lgc	1		
EOTDisable_Cnt_T_lgc	0		
FiltHwTrq_HwNm_T_f32	7.5		
HandWheelAuth_Uls_T_f32	0.870000005		
HandWheelPos_HwDeg_T_f32	-555.057983		
LimitPosition_HwDeg_T_f32	555.387024		
VehicleSpeed_Kph_T_f32	18.0510006		
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.898999989		
k_EOTDeltaTrqThrsh_HwNm_u9p7	1024		
k_EOTDynConf_Uls_u8p8	51200		
k_EOTImpSpdEn_Kph_u9p7	4224		
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	576		
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	1712		
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	1728		
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	1744		
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	1040		
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	3104		
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	3120		
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	3136		
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1680		
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	5024		
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	5040		
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	5056		
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	2320		
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	6944		
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	6960		
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	6976		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	0		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	1920		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	0		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1920		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	0		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	1920		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	0		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	1920		
t_EOTEnterGainVspd_Kph_u9p7[0]	7040		
t_EOTEnterGainVspd_Kph_u9p7[1]	20992		
t_EOTEnterGainVspd_Kph_u9p7[2]	21120		
t_EOTEnterGainVspd_Kph_u9p7[3]	21248		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED	SES_DISABLED	✓

## Test Step 2.39 (Repeat Count = 1) ✓

Name	Input Value		
EOTActuatorMng_OutputRampMultLtd_M_f32	0.698000014		
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL		
EOTDet_Cnt_T_lgc	0		
EOTDisable_Cnt_T_lgc	1		
FiltHwTrq_HwNm_T_f32	-7.5		
HandWheelAuth_Uls_T_f32	0.850000024		
HandWheelPos_HwDeg_T_f32	555.317017		
LimitPosition_HwDeg_T_f32	-555.146973		
VehicleSpeed_Kph_T_f32	22.0575008		
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.933000028		
k_EOTDeltaTrqThrsh_HwNm_u9p7	896		
k_EOTDynConf_Uls_u8p8	3072		
k_EOTImpSpdEn_Kph_u9p7	4352		
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	0		
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	0		

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Name	Input Value		
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	0		
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	0		
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	0		
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	0		
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	0		
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	0		
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	0		
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	0		
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	0		
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	0		
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	0		
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	0		
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	0		
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	0		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	400		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	544		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	800		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1184		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	944		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	1328		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	656		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	1040		
t_EOTEnterGainVspd_Kph_u9p7[0]	7168		
t_EOTEnterGainVspd_Kph_u9p7[1]	21376		
t_EOTEnterGainVspd_Kph_u9p7[2]	21504		
t_EOTEnterGainVspd_Kph_u9p7[3]	21632		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED	SES_DISABLED	✔

Test Step 2.40 (Repeat Count = 1)	
Name	Input Value
EOTActuatorMng_OutputRampMultLtd_M_f32	0.680999994
EOTActuatorMng_SESState_Uls_M_enum	SES_ENTERING
EOTDet_Cnt_T_lgc	0
EOTDisable_Cnt_T_lgc	1
FiltHwTrq_HwNm_T_f32	8.5
HandWheelAuth_Uls_T_f32	0.860000014
HandWheelPos_HwDeg_T_f32	-444.217987
LimitPosition_HwDeg_T_f32	666.953979
VehicleSpeed_Kph_T_f32	27.0540009
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.980000019
k_EOTDeltaTrqThresh_HwNm_u9p7	768
k_EOTDynConf_Uls_u8p8	5888
k_EOTImpSpdEn_Kph_u9p7	4480
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	14400
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	14400
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	14400
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	14400
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	14400
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	14400
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	14400
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	14400
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	14400
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	14400
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	14400
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	14400
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	14400
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	14400
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	14400
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	14400
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	416
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	560
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	816
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1200
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	960
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	1344
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	672
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	1056
t_EOTEnterGainVspd_Kph_u9p7[0]	7296
t_EOTEnterGainVspd_Kph_u9p7[1]	21760
t_EOTEnterGainVspd_Kph_u9p7[2]	21888

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SES\_StateCtrl

Name	Input Value		
t_EOTEnterGainVspd_Kph_u9p7[3]	22016		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED	SES_DISABLED	✓

## Test Step 2.41 (Repeat Count = 1) ✓

Name	Input Value		
EOTActuatorMng_OutputRampMultLtd_M_f32	0.56099999		
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL		
EOTDet_Cnt_T_lgc	1		
EOTDisable_Cnt_T_lgc	0		
FiltHwTrq_HwNm_T_f32	-8.5		
HandWheelAuth_Uls_T_f32	0.850000024		
HandWheelPos_HwDeg_T_f32	444.316986		
LimitPosition_HwDeg_T_f32	-666.380981		
VehicleSpeed_Kph_T_f32	11.5550003		
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.699999988		
k_EOTDeltaTrqThrsh_HwNm_u9p7	640		
k_EOTDynConf_Uls_u8p8	16640		
k_EOTImpSpdEn_Kph_u9p7	4608		
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	0		
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	480		
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	960		
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	1440		
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	0		
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	480		
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	960		
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	1440		
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	0		
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	480		
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	960		
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	1440		
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	0		
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	480		
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	960		
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	1440		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	432		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	576		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	832		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1216		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	976		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	1360		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	688		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	1072		
t_EOTEnterGainVspd_Kph_u9p7[0]	7424		
t_EOTEnterGainVspd_Kph_u9p7[1]	22144		
t_EOTEnterGainVspd_Kph_u9p7[2]	22272		
t_EOTEnterGainVspd_Kph_u9p7[3]	22400		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED	SES_DISABLED	✓

## Test Step 2.42 (Repeat Count = 1) ✓

Name	Input Value		
EOTActuatorMng_OutputRampMultLtd_M_f32	0.871999979		
EOTActuatorMng_SESState_Uls_M_enum	SES_ENTERING		
EOTDet_Cnt_T_lgc	1		
EOTDisable_Cnt_T_lgc	0		
FiltHwTrq_HwNm_T_f32	9.5		
HandWheelAuth_Uls_T_f32	0.879999995		
HandWheelPos_HwDeg_T_f32	-333.212006		
LimitPosition_HwDeg_T_f32	777.049988		
VehicleSpeed_Kph_T_f32	14.1569996		
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.153999999		
k_EOTDeltaTrqThrsh_HwNm_u9p7	512		
k_EOTDynConf_Uls_u8p8	18		
k_EOTImpSpdEn_Kph_u9p7	4736		
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	1760		
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	5264		
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	5280		

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Name	Input Value		
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	5296		
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	1456		
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	4352		
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	4368		
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	4384		
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	672		
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	2000		
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	2016		
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	2032		
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	1232		
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	3680		
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	3696		
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	3712		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	448		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	592		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	848		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1232		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	992		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	1376		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	704		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	1088		
t_EOTEnterGainVspd_Kph_u9p7[0]	0		
t_EOTEnterGainVspd_Kph_u9p7[1]	0		
t_EOTEnterGainVspd_Kph_u9p7[2]	0		
t_EOTEnterGainVspd_Kph_u9p7[3]	0		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL	SES_NORMAL	✓

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## Test Step 2.43 (Repeat Count = 1) ✓

Name	Input Value
EOTActuatorMng_OutputRampMultLtd_M_f32	0.971000016
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL
EOTDet_Cnt_T_lgc	1
EOTDisable_Cnt_T_lgc	0
FiltHwTrq_HwNm_T_f32	-9.5
HandWheelAuth_Uls_T_f32	0.899999976
HandWheelPos_HwDeg_T_f32	333.313995
LimitPosition_HwDeg_T_f32	-777.067017
VehicleSpeed_Kph_T_f32	15.0469999
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.374000013
k_EOTDeltaTrqThrsh_HwNm_u9p7	384
k_EOTDynConf_Uls_u8p8	205
k_EOTImpSpdEn_Kph_u9p7	4864
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	1776
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	5312
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	5328
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	5344
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	1472
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	4400
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	4416
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	4432
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	688
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	2048
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	2064
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	2080
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	1248
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	3728
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	3744
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	3760
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	464
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	608
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	864
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1248
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	1008
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	1392
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	720
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	1104
t_EOTEnterGainVspd_Kph_u9p7[0]	32640
t_EOTEnterGainVspd_Kph_u9p7[1]	32640
t_EOTEnterGainVspd_Kph_u9p7[2]	32640
t_EOTEnterGainVspd_Kph_u9p7[3]	32640

Name	Actual Value	Expected Value	Result
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL	SES_NORMAL	✓

## Test Step 2.44 (Repeat Count = 1) ✓

Name	Input Value
EOTActuatorMng_OutputRampMultLtd_M_f32	0.702000022
EOTActuatorMng_SESState_Uls_M_enum	SES_ENTERING
EOTDet_Cnt_T_lgc	1
EOTDisable_Cnt_T_lgc	0
FiltHwTrq_HwNm_T_f32	1.70000005
HandWheelAuth_Uls_T_f32	0.8125
HandWheelPos_HwDeg_T_f32	-222.011002
LimitPosition_HwDeg_T_f32	888.046997
VehicleSpeed_Kph_T_f32	16.0170002
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.787
k_EOTDeltaTrqThrsh_HwNm_u9p7	256
k_EOTDynConf_Uls_u8p8	205
k_EOTImpSpdEn_Kph_u9p7	4992
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	1792
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	5360
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	5376
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	5392
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	1488
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	4448
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	4464
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	4480
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	704
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	2096

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Name	Input Value		
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	2112		
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	2128		
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	1264		
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	3776		
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	3792		
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	3808		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	480		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	624		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	880		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1264		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	1024		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	1408		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	736		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	1120		
t_EOTEnterGainVspd_Kph_u9p7[0]	0		
t_EOTEnterGainVspd_Kph_u9p7[1]	640		
t_EOTEnterGainVspd_Kph_u9p7[2]	1280		
t_EOTEnterGainVspd_Kph_u9p7[3]	2560		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL	SES_NORMAL	✓

Test Step 2.45 (Repeat Count = 1)			
Name	Input Value		
EOTActuatorMng_OutputRampMultLtd_M_f32	0.850000024		
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL		
EOTDet_Cnt_T_lgc	1		
EOTDisable_Cnt_T_lgc	0		
FiltHwTrq_HwNm_T_f32	-2.5999999		
HandWheelAuth_Uls_T_f32	0.899999976		
HandWheelPos_HwDeg_T_f32	500.049988		
LimitPosition_HwDeg_T_f32	700.093994		
VehicleSpeed_Kph_T_f32	18.375		
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.335000008		
k_EOTDeltaTrqThrsh_HwNm_u9p7	0		
k_EOTDynConf_Uls_u8p8	205		
k_EOTImpSpdEn_Kph_u9p7	5120		
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	1808		
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	5408		
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	5424		
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	5440		
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	1504		
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	4496		
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	4512		
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	4528		
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	720		
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	2144		
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	2160		
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	2176		
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	1280		
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	3824		
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	3840		
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	3856		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	496		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	640		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	896		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1280		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	1040		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	1424		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	752		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	1136		
t_EOTEnterGainVspd_Kph_u9p7[0]	0		
t_EOTEnterGainVspd_Kph_u9p7[1]	640		
t_EOTEnterGainVspd_Kph_u9p7[2]	1408		
t_EOTEnterGainVspd_Kph_u9p7[3]	2560		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_SESState_Uls_M_enum	SES_EXITING	SES_EXITING	✓

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## Test Step 2.46 (Repeat Count = 1)

Name	Input Value		
EOTActuatorMng_OutputRampMultLtd_M_f32	0.0860000029		
EOTActuatorMng_SESSState_Uls_M_enum	SES_ENTERING		
EOTDet_Cnt_T_lgc	1		
EOTDisable_Cnt_T_lgc	0		
FiltHwTrq_HwNm_T_f32	3.33999991		
HandWheelAuth_Uls_T_f32	0.910000026		
HandWheelPos_HwDeg_T_f32	600.059998		
LimitPosition_HwDeg_T_f32	701.039978		
VehicleSpeed_Kph_T_f32	20.4580002		
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.0920000002		
k_EOTDeltaTrqThrsh_HwNm_u9p7	1280		
k_EOTDynConf_Uls_u8p8	230		
k_EOTImpSpdEn_Kph_u9p7	5248		
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	1824		
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	5456		
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	5472		
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	5488		
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	1520		
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	4544		
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	4560		
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	4576		
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	736		
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	2192		
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	2208		
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	2224		
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	160		
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	352		
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	480		
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	704		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	512		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	656		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	912		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1296		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	1056		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	1440		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	768		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	1152		
t_EOTEnterGainVspd_Kph_u9p7[0]	1280		
t_EOTEnterGainVspd_Kph_u9p7[1]	2560		
t_EOTEnterGainVspd_Kph_u9p7[2]	3840		
t_EOTEnterGainVspd_Kph_u9p7[3]	5120		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_SESSState_Uls_M_enum	SES_ENTERING	SES_ENTERING	✔

## Test Step 2.47 (Repeat Count = 1)

Name	Input Value
EOTActuatorMng_OutputRampMultLtd_M_f32	0.61500001
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL
EOTDet_Cnt_T_lgc	1
EOTDisable_Cnt_T_lgc	0
FiltHwTrq_HwNm_T_f32	-4.28000021
HandWheelAuth_Uls_T_f32	0.920000017
HandWheelPos_HwDeg_T_f32	897.789978
LimitPosition_HwDeg_T_f32	712.060974
VehicleSpeed_Kph_T_f32	25.4559994
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.526000023
k_EOTDeltaTrqThrsh_HwNm_u9p7	128
k_EOTDynConf_Uls_u8p8	233
k_EOTImpSpdEn_Kph_u9p7	5376
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	1840
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	5504
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	5520
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	5536
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	1536
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	4592
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	4608
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	4624
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	752
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	2240

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Name	Input Value		
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	2256		
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	2272		
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	800		
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	960		
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	1120		
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	1280		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	320		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	480		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	928		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1312		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	1072		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	1456		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	784		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	1168		
t_EOTEnterGainVspd_Kph_u9p7[0]	6400		
t_EOTEnterGainVspd_Kph_u9p7[1]	7680		
t_EOTEnterGainVspd_Kph_u9p7[2]	8960		
t_EOTEnterGainVspd_Kph_u9p7[3]	10240		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_SESState_Uls_M_enum	SES_EXITING	SES_EXITING	✓

Test Step 2.48 (Repeat Count = 1)			
Name	Input Value		
EOTActuatorMng_OutputRampMultLtd_M_f32	0		
EOTActuatorMng_SESState_Uls_M_enum	SES_ENTERING		
EOTDet_Cnt_T_lgc	1		
EOTDisable_Cnt_T_lgc	0		
FiltHwTrq_HwNm_T_f32	9.5		
HandWheelAuth_Uls_T_f32	0.879999995		
HandWheelPos_HwDeg_T_f32	-333.212006		
LimitPosition_HwDeg_T_f32	777.049988		
VehicleSpeed_Kph_T_f32	14.1569996		
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.375		
k_EOTDeltaTrqThrsh_HwNm_u9p7	512		
k_EOTDynConf_Uls_u8p8	18		
k_EOTImpSpdEn_Kph_u9p7	4736		
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	1760		
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	5264		
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	5280		
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	5296		
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	1456		
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	4352		
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	4368		
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	4384		
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	672		
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	2000		
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	2016		
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	2032		
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	1232		
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	3680		
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	3696		
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	3712		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	448		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	592		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	848		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1232		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	992		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	1376		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	704		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	1088		
t_EOTEnterGainVspd_Kph_u9p7[0]	7040		
t_EOTEnterGainVspd_Kph_u9p7[1]	20992		
t_EOTEnterGainVspd_Kph_u9p7[2]	21120		
t_EOTEnterGainVspd_Kph_u9p7[3]	21248		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL	SES_NORMAL	✓



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Test Step 2.49 (Repeat Count = 1)				✓
Name	Input Value			
EOTActuatorMng_OutputRampMultLtd_M_f32	1			
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL			
EOTDet_Cnt_T_lgc	1			
EOTDisable_Cnt_T_lgc	0			
FiltHwTrq_HwNm_T_f32	-9.5			
HandWheelAuth_Uls_T_f32	0.899999976			
HandWheelPos_HwDeg_T_f32	333.313995			
LimitPosition_HwDeg_T_f32	-777.067017			
VehicleSpeed_Kph_T_f32	15.0469999			
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.519999981			
k_EOTDeltaTrqThrsh_HwNm_u9p7	384			
k_EOTDynConf_Uls_u8p8	205			
k_EOTImpSpdEn_Kph_u9p7	4864			
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	1776			
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	5312			
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	5328			
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	5344			
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	1472			
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	4400			
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	4416			
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	4432			
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	688			
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	2048			
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	2064			
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	2080			
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	1248			
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	3728			
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	3744			
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	3760			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	464			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	608			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	864			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1248			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	1008			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	1392			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	720			
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	1104			
t_EOTEnterGainVspd_Kph_u9p7[0]	7168			
t_EOTEnterGainVspd_Kph_u9p7[1]	21376			
t_EOTEnterGainVspd_Kph_u9p7[2]	21504			
t_EOTEnterGainVspd_Kph_u9p7[3]	21632			
Name	Actual Value	Expected Value	Result	
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL	SES_NORMAL		✓

Test Step 2.50 (Repeat Count = 1)				✓
Name	Input Value			
EOTActuatorMng_OutputRampMultLtd_M_f32	0.637000024			
EOTActuatorMng_SESState_Uls_M_enum	SES_ENTERING			
EOTDet_Cnt_T_lgc	1			
EOTDisable_Cnt_T_lgc	0			
FiltHwTrq_HwNm_T_f32	1.70000005			
HandWheelAuth_Uls_T_f32	0.8125			
HandWheelPos_HwDeg_T_f32	-222.011002			
LimitPosition_HwDeg_T_f32	888.046997			
VehicleSpeed_Kph_T_f32	16.0170002			
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.842999995			
k_EOTDeltaTrqThrsh_HwNm_u9p7	256			
k_EOTDynConf_Uls_u8p8	205			
k_EOTImpSpdEn_Kph_u9p7	4992			
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	1792			
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	5360			
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	5376			
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	5392			
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	1488			
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	4448			
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	4464			
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	4480			
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	704			
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	2096			

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Name	Input Value		
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	2112		
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	2128		
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	1264		
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	3776		
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	3792		
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	3808		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	480		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	624		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	880		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1264		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	1024		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	1408		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	736		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	1120		
t_EOTEnterGainVspd_Kph_u9p7[0]	7296		
t_EOTEnterGainVspd_Kph_u9p7[1]	21760		
t_EOTEnterGainVspd_Kph_u9p7[2]	21888		
t_EOTEnterGainVspd_Kph_u9p7[3]	22016		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL	SES_NORMAL	✓

Test Step 2.51 (Repeat Count = 1)			
Name	Input Value		
EOTActuatorMng_OutputRampMultLtd_M_f32	0.559000015		
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL		
EOTDet_Cnt_T_lgc	1		
EOTDisable_Cnt_T_lgc	0		
FiltHwTrq_HwNm_T_f32	-2.5999999		
HandWheelAuth_Uls_T_f32	0.899999976		
HandWheelPos_HwDeg_T_f32	500.049988		
LimitPosition_HwDeg_T_f32	700.093994		
VehicleSpeed_Kph_T_f32	18.375		
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0		
k_EOTDeltaTrqThrsh_HwNm_u9p7	896		
k_EOTDynConf_Uls_u8p8	205		
k_EOTImpSpdEn_Kph_u9p7	5120		
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	1808		
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	5408		
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	5424		
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	5440		
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	1504		
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	4496		
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	4512		
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	4528		
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	720		
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	2144		
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	2160		
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	2176		
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	1280		
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	3824		
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	3840		
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	3856		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	496		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	640		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	896		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1280		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	1040		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	1424		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	752		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	1136		
t_EOTEnterGainVspd_Kph_u9p7[0]	0		
t_EOTEnterGainVspd_Kph_u9p7[1]	640		
t_EOTEnterGainVspd_Kph_u9p7[2]	1408		
t_EOTEnterGainVspd_Kph_u9p7[3]	2560		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL	SES_NORMAL	✓

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## Test Step 2.52 (Repeat Count = 1)

Name	Input Value		
EOTActuatorMng_OutputRampMultLtd_M_f32	0.100000001		
EOTActuatorMng_SESSState_Uls_M_enum	SES_ENTERING		
EOTDet_Cnt_T_lgc	1		
EOTDisable_Cnt_T_lgc	0		
FiltHwTrq_HwNm_T_f32	3.33999991		
HandWheelAuth_Uls_T_f32	0.910000026		
HandWheelPos_HwDeg_T_f32	600.059998		
LimitPosition_HwDeg_T_f32	701.039978		
VehicleSpeed_Kph_T_f32	20.4580002		
k_EOTActiveRegionBypassMaxThresh_Uls_f32	1		
k_EOTDeltaTrqThrsh_HwNm_u9p7	768		
k_EOTDynConf_Uls_u8p8	230		
k_EOTImpSpdEn_Kph_u9p7	5248		
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	1824		
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	5456		
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	5472		
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	5488		
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	1520		
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	4544		
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	4560		
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	4576		
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	736		
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	2192		
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	2208		
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	2224		
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	160		
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	352		
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	480		
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	704		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	512		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	656		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	912		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1296		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	1056		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	1440		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	768		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	1152		
t_EOTEnterGainVspd_Kph_u9p7[0]	1280		
t_EOTEnterGainVspd_Kph_u9p7[1]	2560		
t_EOTEnterGainVspd_Kph_u9p7[2]	3840		
t_EOTEnterGainVspd_Kph_u9p7[3]	5120		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_SESSState_Uls_M_enum	SES_ENTERING	SES_ENTERING	✔

## Test Step 2.53 (Repeat Count = 1)

Name	Input Value
EOTActuatorMng_OutputRampMultLtd_M_f32	0.0320000015
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL
EOTDet_Cnt_T_lgc	1
EOTDisable_Cnt_T_lgc	0
FiltHwTrq_HwNm_T_f32	-4.280000021
HandWheelAuth_Uls_T_f32	0.920000017
HandWheelPos_HwDeg_T_f32	897.789978
LimitPosition_HwDeg_T_f32	712.060974
VehicleSpeed_Kph_T_f32	25.4559994
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.519999981
k_EOTDeltaTrqThrsh_HwNm_u9p7	640
k_EOTDynConf_Uls_u8p8	233
k_EOTImpSpdEn_Kph_u9p7	5376
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	1840
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	5504
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	5520
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	5536
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	1536
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	4592
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	4608
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	4624
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	752
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	2240

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Name	Input Value		
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	2256		
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	2272		
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	800		
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	960		
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	1120		
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	1280		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	320		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	480		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	928		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1312		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	1072		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	1456		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	784		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	1168		
t_EOTEnterGainVspd_Kph_u9p7[0]	6400		
t_EOTEnterGainVspd_Kph_u9p7[1]	7680		
t_EOTEnterGainVspd_Kph_u9p7[2]	8960		
t_EOTEnterGainVspd_Kph_u9p7[3]	10240		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL	SES_NORMAL	✓

Test Step 2.54 (Repeat Count = 1)			
Name	Input Value		
EOTActuatorMng_OutputRampMultLtd_M_f32	0		
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED		
EOTDet_Cnt_T_lgc	0		
EOTDisable_Cnt_T_lgc	0		
FiltHwTrq_HwNm_T_f32	-10		
HandWheelAuth_Uls_T_f32	0		
HandWheelPos_HwDeg_T_f32	-1440.10999		
LimitPosition_HwDeg_T_f32	-1440.10999		
VehicleSpeed_Kph_T_f32	0		
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0		
k_EOTDeltaTrqThrsh_HwNm_u9p7	0		
k_EOTDynConf_Uls_u8p8	0		
k_EOTImpSpdEn_Kph_u9p7	0		
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	0		
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	0		
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	0		
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	0		
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	0		
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	0		
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	0		
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	0		
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	0		
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	0		
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	0		
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	0		
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	0		
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	0		
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	0		
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	0		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	0		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	0		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	0		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	0		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	0		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	0		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	0		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	0		
t_EOTEnterGainVspd_Kph_u9p7[0]	0		
t_EOTEnterGainVspd_Kph_u9p7[1]	0		
t_EOTEnterGainVspd_Kph_u9p7[2]	0		
t_EOTEnterGainVspd_Kph_u9p7[3]	0		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED	SES_DISABLED	✓

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## Test Step 2.55 (Repeat Count = 1)



Name	Input Value
EOTActuatorMng_OutputRampMultLtd_M_f32	1
EOTActuatorMng_SESState_Uls_M_enum	SES_EXITING
EOTDet_Cnt_T_lgc	1
EOTDisable_Cnt_T_lgc	1
FiltHwTrq_HwNm_T_f32	10
HandWheelAuth_Uls_T_f32	1
HandWheelPos_HwDeg_T_f32	1440.10999
LimitPosition_HwDeg_T_f32	1440.10999
VehicleSpeed_Kph_T_f32	511.992188
k_EOTActiveRegionBypassMaxThresh_Uls_f32	1
k_EOTDeltaTrqThrsh_HwNm_u9p7	1280
k_EOTDynConf_Uls_u8p8	65535
k_EOTImpSpdEn_Kph_u9p7	32640
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	14400
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	14400
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	14400
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	14400
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	14400
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	14400
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	14400
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	14400
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	14400
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	14400
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	14400
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	14400
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	14400
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	14400
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	14400
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	14400
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	5760
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	5760
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	5760
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	5760
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	5760
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	5760
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	5760
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	5760
t_EOTEnterGainVspd_Kph_u9p7[0]	32640
t_EOTEnterGainVspd_Kph_u9p7[1]	32640
t_EOTEnterGainVspd_Kph_u9p7[2]	32640
t_EOTEnterGainVspd_Kph_u9p7[3]	32640

Name	Actual Value	Expected Value	Result
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED	SES_DISABLED	✓



Test Case 3: Path Test





Specification	Performance Metrics (With "None" Instrumentation and WithPS Environment) CPU Cycles:
	TS3.1 64 cycles
	TS3.2 269 cycles
	TS3.3 403 cycles
	TS3.4 48 cycles
	TS3.5 64 cycles
	TS3.6 59 cycles
	TS3.7 403 cycles
	TS3.8 272 cycles
	TS3.9 404 cycles
	TS3.10 248 cycles
	TS3.11 385 cycles
	TS3.12 386 cycles
	TS3.13 261 cycles
	TS3.14 269 cycles

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Description	Vector Description
	<pre>TS3.1"((HandWheelAuth1_Uls_T_f32 &lt; FPM_FixedToFloat_m(k_EOTDynConf_Uls_u8p8, u8p8_T)) Or (VehicleSpeed2_Kph_T_f32 &gt;= FPM_FixedToFloat_m(k_EOTImpSpdEn_Kph_u9p7, u9p7_T)) Or (EOTDet_Cnt_T_lgc = False) Or (EOTDisable_Cnt_T_lgc = True))=FALSE AND (Abs_f32_m(HandWheelPos5_HwDeg_T_f32) &lt;= (Abs_f32_m(LimitPosition1_HwDeg_T_f32) - Max_m(EOTEnterGainVal_HwDeg_T_f32, EOTPosDepDampVal_HwDeg_T_f32)))=TRUE AND StatePriVectRes_Uls_T_u16 = D_SESSTATE_PRI2_ULS_U16 "</pre> <pre>TS3.2"((HandWheelAuth1_Uls_T_f32 &lt; FPM_FixedToFloat_m(k_EOTDynConf_Uls_u8p8, u8p8_T)) Or (VehicleSpeed2_Kph_T_f32 &gt;= FPM_FixedToFloat_m(k_EOTImpSpdEn_Kph_u9p7, u9p7_T)) Or (EOTDet_Cnt_T_lgc = False) Or (EOTDisable_Cnt_T_lgc = True))=FALSE AND ( EOTActuatorMng_OutputRampMultLtd_M_f32 &lt;= k_EOTActiveRegionBypassMaxThresh_Uls_f32) &amp;&amp; (SESNextState_Uls_T_enum == SES_DISABLED))    (Abs_f32_m(HandWheelPos_HwDeg_T_f32) &lt;= (Abs_f32_m(LimitPosition_HwDeg_T_f32) - Max_m(EOTEnterGainVal_HwDeg_T_f32, EOTPosDepDampVal_HwDeg_T_f32) )) )=FALSE AND (FiltHwTrq_HwNm_T_f32 &gt; EOTDeltaTrqThrsh_HwNm_T_f32)=TRUE AND StatePriVectRes_Uls_T_u16=D_SESSTATE_PRI3_ULS_U16 AND (SESState_Uls_M_enum &lt;&gt; SES_DISABLED)=TRUE" TS3.3"((HandWheelAuth1_Uls_T_f32 &lt; FPM_FixedToFloat_m(k_EOTDynConf_Uls_u8p8, u8p8_T)) Or (VehicleSpeed2_Kph_T_f32 &gt;= FPM_FixedToFloat_m(k_EOTImpSpdEn_Kph_u9p7, u9p7_T)) Or (EOTDet_Cnt_T_lgc = False) Or (EOTDisable_Cnt_T_lgc = True))=FALSE AND (Abs_f32_m(HandWheelPos5_HwDeg_T_f32) &lt;= (Abs_f32_m(LimitPosition1_HwDeg_T_f32) - Max_m(EOTEnterGainVal_HwDeg_T_f32, EOTPosDepDampVal_HwDeg_T_f32)))=FALSE AND (FiltHwTrq_HwNm_T_f32 &lt; (D_MINUSONE_ULS_F32 * EOTDeltaTrqThrsh_HwNm_T_f32))=TRUE AND StatePriVectRes_Uls_T_u16=D_SESSTATE_PRI4_ULS_U16 AND (SESState_Uls_M_enum &lt;&gt; SES_DISABLED)=TRUE" TS3.4"((HandWheelAuth1_Uls_T_f32 &lt; FPM_FixedToFloat_m(k_EOTDynConf_Uls_u8p8, u8p8_T)) Or (VehicleSpeed2_Kph_T_f32 &gt;= FPM_FixedToFloat_m(k_EOTImpSpdEn_Kph_u9p7, u9p7_T)) Or (EOTDet_Cnt_T_lgc = False) Or (EOTDisable_Cnt_T_lgc = True))=TRUE AND StatePriVectRes_Uls_T_u16= D_SESSTATE_PRI1_ULS_U16" TS3.5"((HandWheelAuth1_Uls_T_f32 &lt; FPM_FixedToFloat_m(k_EOTDynConf_Uls_u8p8, u8p8_T)) Or (VehicleSpeed2_Kph_T_f32 &gt;= FPM_FixedToFloat_m(k_EOTImpSpdEn_Kph_u9p7, u9p7_T)) Or (EOTDet_Cnt_T_lgc = False) Or (EOTDisable_Cnt_T_lgc = True))=TRUE AND StatePriVectRes_Uls_T_u16= D_SESSTATE_PRI1_ULS_U16" TS3.6"((HandWheelAuth1_Uls_T_f32 &lt; FPM_FixedToFloat_m(k_EOTDynConf_Uls_u8p8, u8p8_T)) Or (VehicleSpeed2_Kph_T_f32 &gt;= FPM_FixedToFloat_m(k_EOTImpSpdEn_Kph_u9p7, u9p7_T)) Or (EOTDet_Cnt_T_lgc = False) Or (EOTDisable_Cnt_T_lgc = True))=FALSE AND (Abs_f32_m(HandWheelPos5_HwDeg_T_f32) &lt;= (Abs_f32_m(LimitPosition1_HwDeg_T_f32) - Max_m(EOTEnterGainVal_HwDeg_T_f32, EOTPosDepDampVal_HwDeg_T_f32)))=TRUE AND StatePriVectRes_Uls_T_u16=D_SESSTATE_PRI2_ULS_U16" TS3.7"((HandWheelAuth1_Uls_T_f32 &lt; FPM_FixedToFloat_m(k_EOTDynConf_Uls_u8p8, u8p8_T)) Or (VehicleSpeed2_Kph_T_f32 &gt;= FPM_FixedToFloat_m(k_EOTImpSpdEn_Kph_u9p7, u9p7_T)) Or (EOTDet_Cnt_T_lgc = False) Or (EOTDisable_Cnt_T_lgc = True))=FALSE AND (Abs_f32_m(HandWheelPos5_HwDeg_T_f32) &lt;= (Abs_f32_m(LimitPosition1_HwDeg_T_f32) - Max_m(EOTEnterGainVal_HwDeg_T_f32, EOTPosDepDampVal_HwDeg_T_f32)))=FALSE" TS3.8"((HandWheelAuth1_Uls_T_f32 &lt; FPM_FixedToFloat_m(k_EOTDynConf_Uls_u8p8, u8p8_T)) Or (VehicleSpeed2_Kph_T_f32 &gt;= FPM_FixedToFloat_m(k_EOTImpSpdEn_Kph_u9p7, u9p7_T)) Or (EOTDet_Cnt_T_lgc = False) Or (EOTDisable_Cnt_T_lgc = True))=FALSE AND (Abs_f32_m(HandWheelPos5_HwDeg_T_f32) &lt;= (Abs_f32_m(LimitPosition1_HwDeg_T_f32) - Max_m(EOTEnterGainVal_HwDeg_T_f32, EOTPosDepDampVal_HwDeg_T_f32)))=FALSE AND (FiltHwTrq_HwNm_T_f32 &gt; EOTDeltaTrqThrsh_HwNm_T_f32)=TRUE AND StatePriVectRes_Uls_T_u16=D_SESSTATE_PRI3_ULS_U16 AND (SESState_Uls_M_enum &lt;&gt; SES_DISABLED)=FALSE" TS3.9"((HandWheelAuth1_Uls_T_f32 &lt; FPM_FixedToFloat_m(k_EOTDynConf_Uls_u8p8, u8p8_T)) Or (VehicleSpeed2_Kph_T_f32 &gt;= FPM_FixedToFloat_m(k_EOTImpSpdEn_Kph_u9p7, u9p7_T)) Or (EOTDet_Cnt_T_lgc = False) Or (EOTDisable_Cnt_T_lgc = True))=FALSE AND (Abs_f32_m(HandWheelPos5_HwDeg_T_f32) &lt;= (Abs_f32_m(LimitPosition1_HwDeg_T_f32) - Max_m(EOTEnterGainVal_HwDeg_T_f32, EOTPosDepDampVal_HwDeg_T_f32)))=FALSE AND (FiltHwTrq_HwNm_T_f32 &lt; (D_MINUSONE_ULS_F32 * EOTDeltaTrqThrsh_HwNm_T_f32))=TRUE AND StatePriVectRes_Uls_T_u16=D_SESSTATE_PRI4_ULS_U16 AND (SESState_Uls_M_enum &lt;&gt; SES_DISABLED)=FALSE "</pre> <pre>TS3.10"( EOTActuatorMng_OutputRampMultLtd_M_f32 &lt;= k_EOTActiveRegionBypassMaxThresh_Uls_f32) &amp;&amp; (SESNextState_Uls_T_enum == SES_DISABLED))    (Abs_f32_m(HandWheelPos_HwDeg_T_f32) &lt;= (Abs_f32_m(LimitPosition_HwDeg_T_f32) - Max_m(EOTEnterGainVal_HwDeg_T_f32, EOTPosDepDampVal_HwDeg_T_f32) )) )=&gt;TRUE" TS3.11( FiltHwTrq_HwNm_T_f32 &lt; (D_MINUSONE_ULS_F32 * EOTDeltaTrqThrsh_HwNm_T_f32) ) =&gt; FALSE TS3.12( FiltHwTrq_HwNm_T_f32 &lt; (D_MINUSONE_ULS_F32 * EOTDeltaTrqThrsh_HwNm_T_f32) ) =&gt; TRUE TS3.13(StatePriVectRes_Uls_T_u16 = D_SESSTATE_PRI4_ULS_U16) AND (EOTActuatorMng_SESState_Uls_M_enum != SES_DISABLED)=&gt; FALSE TS3.14(StatePriVectRes_Uls_T_u16 = D_SESSTATE_PRI3_ULS_U16) AND (EOTActuatorMng_SESState_Uls_M_enum != SES_DISABLED)=&gt; FALSE</pre>

Test Step 3.1 (Repeat Count = 1)	
Name	Input Value
EOTActuatorMng_OutputRampMultLtd_M_f32	0.172000006
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL
EOTDet_Cnt_T_lgc	1



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Name	Input Value		
EOTDisable_Cnt_T_lgc	1		
FiltHwTrq_HwNm_T_f32	-10		
HandWheelAuth_Uls_T_f32	0.899999976		
HandWheelPos_HwDeg_T_f32	600		
LimitPosition_HwDeg_T_f32	1100		
VehicleSpeed_Kph_T_f32	10		
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.31099999		
k_EOTDeltaTrqThrsh_HwNm_u9p7	0		
k_EOTDynConf_Uls_u8p8	205		
k_EOTImpSpdEn_Kph_u9p7	3840		
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	320		
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	480		
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	960		
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	1440		
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	1600		
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	2400		
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	3200		
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	4000		
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	4800		
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	5600		
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	6400		
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	7200		
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	8000		
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	8800		
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	9600		
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	10400		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	0		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	320		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	560		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	720		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	1760		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	3520		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	2400		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	3200		
t_EOTEnterGainVspd_Kph_u9p7[0]	0		
t_EOTEnterGainVspd_Kph_u9p7[1]	640		
t_EOTEnterGainVspd_Kph_u9p7[2]	1280		
t_EOTEnterGainVspd_Kph_u9p7[3]	2560		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED	SES_DISABLED	✔

Test Step 3.2 (Repeat Count = 1)	
Name	Input Value
EOTActuatorMng_OutputRampMultLtd_M_f32	0.808000028
EOTActuatorMng_SESState_Uls_M_enum	SES_ENTERING
EOTDet_Cnt_T_lgc	1
EOTDisable_Cnt_T_lgc	0
FiltHwTrq_HwNm_T_f32	10
HandWheelAuth_Uls_T_f32	0.949999988
HandWheelPos_HwDeg_T_f32	1250
LimitPosition_HwDeg_T_f32	-1200
VehicleSpeed_Kph_T_f32	20
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.119999997
k_EOTDeltaTrqThrsh_HwNm_u9p7	0
k_EOTDynConf_Uls_u8p8	205
k_EOTImpSpdEn_Kph_u9p7	3840
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	320
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	480
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	960
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	1440
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	1600
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	2400
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	3200
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	4000
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	4800
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	5600
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	6400
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	7200
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	8000
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	8800
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	9600

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Name	Input Value		
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	10400		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	0		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	320		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	560		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	720		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	1760		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	3520		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	2400		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	3200		
t_EOTEnterGainVspd_Kph_u9p7[0]	0		
t_EOTEnterGainVspd_Kph_u9p7[1]	640		
t_EOTEnterGainVspd_Kph_u9p7[2]	1280		
t_EOTEnterGainVspd_Kph_u9p7[3]	2560		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_SESState_Uls_M_enum	SES_ENTERING	SES_ENTERING	✓

Test Step 3.3 (Repeat Count = 1) ✓			
Name	Input Value		
EOTActuatorMng_OutputRampMultiLtd_M_f32	0.550999999		
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL		
EOTDet_Cnt_T_lgc	1		
EOTDisable_Cnt_T_lgc	0		
FillHwTrq_HwNm_T_f32	-2		
HandWheelAuth_Uls_T_f32	0.870000005		
HandWheelPos_HwDeg_T_f32	-400		
LimitPosition_HwDeg_T_f32	-1000		
VehicleSpeed_Kph_T_f32	18		
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.541999996		
k_EOTDeltaTrqThrsh_HwNm_u9p7	0		
k_EOTDynConf_Uls_u8p8	205		
k_EOTImpSpdEn_Kph_u9p7	3840		
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	320		
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	480		
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	960		
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	1440		
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	1600		
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	2400		
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	3200		
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	4000		
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	4800		
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	5600		
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	6400		
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	7200		
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	8000		
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	8800		
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	9600		
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	10400		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	0		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	320		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	560		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	720		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	1760		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	3520		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	2400		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	3200		
t_EOTEnterGainVspd_Kph_u9p7[0]	0		
t_EOTEnterGainVspd_Kph_u9p7[1]	640		
t_EOTEnterGainVspd_Kph_u9p7[2]	1280		
t_EOTEnterGainVspd_Kph_u9p7[3]	2560		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_SESState_Uls_M_enum	SES_EXITING	SES_EXITING	✓

Test Step 3.4 (Repeat Count = 1) ✓			
Name	Input Value		
EOTActuatorMng_OutputRampMultiLtd_M_f32	0.202999994		
EOTActuatorMng_SESState_Uls_M_enum	SES_ENTERING		
EOTDet_Cnt_T_lgc	0		
EOTDisable_Cnt_T_lgc	1		

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Name	Input Value		
FiltHwTrq_HwNm_T_f32	4		
HandWheelAuth_Uls_T_f32	0.230000004		
HandWheelPos_HwDeg_T_f32	1440.10999		
LimitPosition_HwDeg_T_f32	900		
VehicleSpeed_Kph_T_f32	250		
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.961000025		
k_EOTDeltaTrqThrsh_HwNm_u9p7	0		
k_EOTDynConf_Uls_u8p8	205		
k_EOTImpSpdEn_Kph_u9p7	3840		
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	320		
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	480		
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	960		
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	1440		
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	1600		
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	2400		
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	3200		
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	4000		
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	4800		
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	5600		
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	6400		
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	7200		
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	8000		
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	8800		
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	9600		
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	10400		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	0		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	320		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	560		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	720		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	1760		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	3520		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	2400		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	3200		
t_EOTEnterGainVspd_Kph_u9p7[0]	0		
t_EOTEnterGainVspd_Kph_u9p7[1]	640		
t_EOTEnterGainVspd_Kph_u9p7[2]	1280		
t_EOTEnterGainVspd_Kph_u9p7[3]	2560		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED	SES_DISABLED	✓

Test Step 3.5 (Repeat Count = 1)			
Name	Input Value		
EOTActuatorMng_OutputRampMultLtd_M_f32	0.806999981		
EOTActuatorMng_SESState_Uls_M_enum	SES_ENTERING		
EOTDet_Cnt_T_lgc	0		
EOTDisable_Cnt_T_lgc	1		
FiltHwTrq_HwNm_T_f32	4		
HandWheelAuth_Uls_T_f32	0.899999976		
HandWheelPos_HwDeg_T_f32	1440.10999		
LimitPosition_HwDeg_T_f32	900		
VehicleSpeed_Kph_T_f32	25		
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.754999995		
k_EOTDeltaTrqThrsh_HwNm_u9p7	0		
k_EOTDynConf_Uls_u8p8	205		
k_EOTImpSpdEn_Kph_u9p7	3840		
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	320		
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	480		
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	960		
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	1440		
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	1600		
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	2400		
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	3200		
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	4000		
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	4800		
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	5600		
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	6400		
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	7200		
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	8000		
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	8800		
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	9600		
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	10400		

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Name	Input Value		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	0		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	320		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	560		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	720		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	1760		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	3520		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	2400		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	3200		
t_EOTEnterGainVspd_Kph_u9p7[0]	0		
t_EOTEnterGainVspd_Kph_u9p7[1]	640		
t_EOTEnterGainVspd_Kph_u9p7[2]	1280		
t_EOTEnterGainVspd_Kph_u9p7[3]	2560		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED	SES_DISABLED	✓

Test Step 3.6 (Repeat Count = 1)			
Name	Input Value		
EOTActuatorMng_OutputRampMultLtd_M_f32	0.231000006		
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL		
EOTDet_Cnt_T_lgc	1		
EOTDisable_Cnt_T_lgc	1		
FiltHwTrq_HwNm_T_f32	-10		
HandWheelAuth_Uls_T_f32	0.899999976		
HandWheelPos_HwDeg_T_f32	-1250		
LimitPosition_HwDeg_T_f32	1100		
VehicleSpeed_Kph_T_f32	50		
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.0599999987		
k_EOTDeltaTrqThrsh_HwNm_u9p7	128		
k_EOTDynConf_Uls_u8p8	205		
k_EOTImpSpdEn_Kph_u9p7	3840		
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	160		
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	320		
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	480		
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	640		
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	800		
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	960		
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	1120		
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	1280		
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1440		
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	1600		
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	1760		
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	1920		
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	2080		
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	2240		
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	2400		
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	2560		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	4160		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	5760		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	4000		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	5600		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	1600		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	1760		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	3520		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	4320		
t_EOTEnterGainVspd_Kph_u9p7[0]	0		
t_EOTEnterGainVspd_Kph_u9p7[1]	640		
t_EOTEnterGainVspd_Kph_u9p7[2]	1280		
t_EOTEnterGainVspd_Kph_u9p7[3]	2560		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED	SES_DISABLED	✓

Test Step 3.7 (Repeat Count = 1)			
Name	Input Value		
EOTActuatorMng_OutputRampMultLtd_M_f32	0.282000005		
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL		
EOTDet_Cnt_T_lgc	1		
EOTDisable_Cnt_T_lgc	0		
FiltHwTrq_HwNm_T_f32	0		

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Name	Input Value		
HandWheelAuth_Uls_T_f32	0.870000005		
HandWheelPos_HwDeg_T_f32	-350		
LimitPosition_HwDeg_T_f32	-1000		
VehicleSpeed_Kph_T_f32	18		
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.0240000002		
k_EOTDeltaTrqThrsh_HwNm_u9p7	128		
k_EOTDynConf_Uls_u8p8	205		
k_EOTImpSpdEn_Kph_u9p7	3840		
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	160		
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	320		
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	480		
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	640		
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	800		
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	960		
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	1120		
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	1280		
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1440		
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	1600		
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	1760		
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	1920		
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	2080		
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	2240		
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	2400		
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	2560		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	4160		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	5760		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	4000		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	5600		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	1600		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	1760		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	3520		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	4320		
t_EOTEnterGainVspd_Kph_u9p7[0]	0		
t_EOTEnterGainVspd_Kph_u9p7[1]	640		
t_EOTEnterGainVspd_Kph_u9p7[2]	1280		
t_EOTEnterGainVspd_Kph_u9p7[3]	2560		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL	SES_NORMAL	✓

Test Step 3.8 (Repeat Count = 1)			
Name	Input Value		
EOTActuatorMng_OutputRampMultLtd_M_f32	0.192000002		
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED		
EOTDet_Cnt_T_lgc	1		
EOTDisable_Cnt_T_lgc	0		
FiltHwTrq_HwNm_T_f32	10		
HandWheelAuth_Uls_T_f32	0.949999988		
HandWheelPos_HwDeg_T_f32	1250		
LimitPosition_HwDeg_T_f32	-1200		
VehicleSpeed_Kph_T_f32	20		
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.722999999		
k_EOTDeltaTrqThrsh_HwNm_u9p7	0		
k_EOTDynConf_Uls_u8p8	205		
k_EOTImpSpdEn_Kph_u9p7	3840		
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	320		
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	480		
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	960		
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	1440		
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	1600		
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	2400		
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	3200		
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	4000		
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	4800		
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	5600		
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	6400		
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	7200		
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	8000		
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	8800		
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	9600		
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	10400		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	0		

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Name	Input Value		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	320		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	560		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	720		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	1760		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	3520		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	2400		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	3200		
t_EOTEnterGainVspd_Kph_u9p7[0]	0		
t_EOTEnterGainVspd_Kph_u9p7[1]	640		
t_EOTEnterGainVspd_Kph_u9p7[2]	1280		
t_EOTEnterGainVspd_Kph_u9p7[3]	2560		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL	SES_NORMAL	✓

## Test Step 3.9 (Repeat Count = 1) ✓

Name	Input Value		
EOTActuatorMng_OutputRampMultLtd_M_f32	0.481999993		
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED		
EOTDet_Cnt_T_lgc	1		
EOTDisable_Cnt_T_lgc	0		
FiltHwTrq_HwNm_T_f32	-2		
HandWheelAuth_Uls_T_f32	0.870000005		
HandWheelPos_HwDeg_T_f32	500		
LimitPosition_HwDeg_T_f32	-1000		
VehicleSpeed_Kph_T_f32	18		
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.950999975		
k_EOTDeltaTrqThrsh_HwNm_u9p7	0		
k_EOTDynConf_Uls_u8p8	205		
k_EOTImpSpdEn_Kph_u9p7	3840		
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	320		
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	480		
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	960		
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	1440		
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	1600		
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	2400		
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	3200		
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	4000		
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	4800		
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	5600		
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	6400		
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	7200		
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	8000		
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	8800		
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	9600		
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	10400		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	0		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	320		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	560		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	720		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	1760		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	3520		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	2400		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	3200		
t_EOTEnterGainVspd_Kph_u9p7[0]	0		
t_EOTEnterGainVspd_Kph_u9p7[1]	640		
t_EOTEnterGainVspd_Kph_u9p7[2]	1280		
t_EOTEnterGainVspd_Kph_u9p7[3]	2560		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL	SES_NORMAL	✓

## Test Step 3.10 (Repeat Count = 1) ✓

Name	Input Value		
EOTActuatorMng_OutputRampMultLtd_M_f32	0.970000029		
EOTActuatorMng_SESState_Uls_M_enum	SES_ENTERING		
EOTDet_Cnt_T_lgc	1		
EOTDisable_Cnt_T_lgc	0		
FiltHwTrq_HwNm_T_f32	10		
HandWheelAuth_Uls_T_f32	0.949999988		

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Name	Input Value	Expected Value	Result
HandWheelPos_HwDeg_T_f32	120		
LimitPosition_HwDeg_T_f32	-1200		
VehicleSpeed_Kph_T_f32	20		
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.375999987		
k_EOTDeltaTrqThrsh_HwNm_u9p7	0		
k_EOTDynConf_Uls_u8p8	205		
k_EOTImpSpdEn_Kph_u9p7	3840		
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	320		
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	480		
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	960		
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	1440		
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	1600		
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	2400		
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	3200		
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	4000		
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	4800		
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	5600		
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	6400		
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	7200		
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	8000		
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	8800		
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	9600		
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	10400		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	0		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	320		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	560		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	720		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	1760		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	3520		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	2400		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	3200		
t_EOTEnterGainVspd_Kph_u9p7[0]	0		
t_EOTEnterGainVspd_Kph_u9p7[1]	640		
t_EOTEnterGainVspd_Kph_u9p7[2]	1280		
t_EOTEnterGainVspd_Kph_u9p7[3]	2560		
<b>Name</b>	<b>Actual Value</b>	<b>Expected Value</b>	<b>Result</b>
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL	SES_NORMAL	✓

Test Step 3.11 (Repeat Count = 1)			
Name	Input Value	Expected Value	Result
EOTActuatorMng_OutputRampMultLtd_M_f32	0.699000001		
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL		
EOTDet_Cnt_T_lgc	1		
EOTDisable_Cnt_T_lgc	0		
FiltHwTrq_HwNm_T_f32	10		
HandWheelAuth_Uls_T_f32	0.949999988		
HandWheelPos_HwDeg_T_f32	1250.31995		
LimitPosition_HwDeg_T_f32	-1200.05005		
VehicleSpeed_Kph_T_f32	30.3540001		
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.677999973		
k_EOTDeltaTrqThrsh_HwNm_u9p7	1280		
k_EOTDynConf_Uls_u8p8	51		
k_EOTImpSpdEn_Kph_u9p7	5504		
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	160		
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	320		
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	480		
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	640		
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	496		
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	1472		
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	1488		
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	1504		
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1136		
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	3392		
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	3408		
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	3424		
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	1776		
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	5312		
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	5328		
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	5344		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	48		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	96		

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SES\_StateCtrl

Name	Input Value		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	480		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1136		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	656		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	1040		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	672		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	4032		
t_EOTEnterGainVspd_Kph_u9p7[0]	2688		
t_EOTEnterGainVspd_Kph_u9p7[1]	7936		
t_EOTEnterGainVspd_Kph_u9p7[2]	8064		
t_EOTEnterGainVspd_Kph_u9p7[3]	8192		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL	SES_NORMAL	✓

## Test Step 3.12 (Repeat Count = 1) ✓

Name	Input Value		
EOTActuatorMng_OutputRampMultLtd_M_f32	0.949999988		
EOTActuatorMng_SESState_Uls_M_enum	SES_ENTERING		
EOTDet_Cnt_T_lgc	1		
EOTDisable_Cnt_T_lgc	0		
FiltHwTrq_HwNm_T_f32	-5.0999999		
HandWheelAuth_Uls_T_f32	0.860000014		
HandWheelPos_HwDeg_T_f32	1300.31995		
LimitPosition_HwDeg_T_f32	1300.78003		
VehicleSpeed_Kph_T_f32	41.6139984		
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.81099999		
k_EOTDeltaTrqThrsh_HwNm_u9p7	640		
k_EOTDynConf_Uls_u8p8	77		
k_EOTImpSpdEn_Kph_u9p7	5888		
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	0		
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	96		
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	160		
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	352		
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	544		
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	1616		
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	1632		
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	1648		
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1184		
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	3536		
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	3552		
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	3568		
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	1824		
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	5456		
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	5472		
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	5488		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	144		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	304		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	576		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	1184		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	704		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	1088		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	768		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	4080		
t_EOTEnterGainVspd_Kph_u9p7[0]	3072		
t_EOTEnterGainVspd_Kph_u9p7[1]	9088		
t_EOTEnterGainVspd_Kph_u9p7[2]	9216		
t_EOTEnterGainVspd_Kph_u9p7[3]	9344		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_SESState_Uls_M_enum	SES_EXITING	SES_EXITING	✓

## Test Step 3.13 (Repeat Count = 1) ✓

Name	Input Value		
EOTActuatorMng_OutputRampMultLtd_M_f32	0.99000001		
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED		
EOTDet_Cnt_T_lgc	1		
EOTDisable_Cnt_T_lgc	0		
FiltHwTrq_HwNm_T_f32	-9.67000008		
HandWheelAuth_Uls_T_f32	0.920000017		
HandWheelPos_HwDeg_T_f32	694.370972		



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SES\_StateCtrl

Name	Input Value	Expected Value	Result
LimitPosition_HwDeg_T_f32	-500.450012		
VehicleSpeed_Kph_T_f32	24.1000004		
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.0430000015		
k_EOTDeltaTrqThrsh_HwNm_u9p7	896		
k_EOTDynConf_Uls_u8p8	233		
k_EOTImpSpdEn_Kph_u9p7	7936		
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	0		
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	96		
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	192		
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	400		
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	800		
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	2384		
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	2400		
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	2416		
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	1440		
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	4304		
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	4320		
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	4336		
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	2080		
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	6224		
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	6240		
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	6256		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	48		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	400		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	560		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	720		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	960		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	1344		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	848		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	4336		
t_EOTEnterGainVspd_Kph_u9p7[0]	5120		
t_EOTEnterGainVspd_Kph_u9p7[1]	15232		
t_EOTEnterGainVspd_Kph_u9p7[2]	15360		
t_EOTEnterGainVspd_Kph_u9p7[3]	15488		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED	SES_DISABLED	✓

## Test Step 3.14 (Repeat Count = 1) ✓

Name	Input Value
EOTActuatorMng_OutputRampMultLtd_M_f32	0.808000028
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED
EOTDet_Cnt_T_lgc	1
EOTDisable_Cnt_T_lgc	0
FiltHwTrq_HwNm_T_f32	10
HandWheelAuth_Uls_T_f32	0.949999988
HandWheelPos_HwDeg_T_f32	1250
LimitPosition_HwDeg_T_f32	-1200
VehicleSpeed_Kph_T_f32	20
k_EOTActiveRegionBypassMaxThresh_Uls_f32	0.119999997
k_EOTDeltaTrqThrsh_HwNm_u9p7	0
k_EOTDynConf_Uls_u8p8	205
k_EOTImpSpdEn_Kph_u9p7	3840
t2_EOTEnterGainX_HwDeg_u12p4[0][0]	320
t2_EOTEnterGainX_HwDeg_u12p4[0][1]	480
t2_EOTEnterGainX_HwDeg_u12p4[0][2]	960
t2_EOTEnterGainX_HwDeg_u12p4[0][3]	1440
t2_EOTEnterGainX_HwDeg_u12p4[1][0]	1600
t2_EOTEnterGainX_HwDeg_u12p4[1][1]	2400
t2_EOTEnterGainX_HwDeg_u12p4[1][2]	3200
t2_EOTEnterGainX_HwDeg_u12p4[1][3]	4000
t2_EOTEnterGainX_HwDeg_u12p4[2][0]	4800
t2_EOTEnterGainX_HwDeg_u12p4[2][1]	5600
t2_EOTEnterGainX_HwDeg_u12p4[2][2]	6400
t2_EOTEnterGainX_HwDeg_u12p4[2][3]	7200
t2_EOTEnterGainX_HwDeg_u12p4[3][0]	8000
t2_EOTEnterGainX_HwDeg_u12p4[3][1]	8800
t2_EOTEnterGainX_HwDeg_u12p4[3][2]	9600
t2_EOTEnterGainX_HwDeg_u12p4[3][3]	10400
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][0]	0
t2_EOTPosDepDmpTblX_HwDeg_u12p4[0][1]	320
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][0]	560

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SES\_StateCtrl

Name	Input Value		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[1][1]	720		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][0]	1760		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[2][1]	3520		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][0]	2400		
t2_EOTPosDepDmpTblX_HwDeg_u12p4[3][1]	3200		
t_EOTEnterGainVspd_Kph_u9p7[0]	0		
t_EOTEnterGainVspd_Kph_u9p7[1]	640		
t_EOTEnterGainVspd_Kph_u9p7[2]	1280		
t_EOTEnterGainVspd_Kph_u9p7[3]	2560		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED	SES_DISABLED	✓

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SES\_CalcExitGain



Project	EOTActuatorMng
Module	EOTActuatorMng
Test Object	SES_CalcExitGain

## Instrumentation: Test Object Only

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

## Statistics

Total Testcases	3
Successful	3 ✓
Failed	0
Not Executed	0

## Module Properties

Project Root Directory	D:\Synergy_Work_Area\CBD_EOTActuatorMng\EOTActuatorMng
Configuration File	D:\Synergy_Work_Area\CBD_EOTActuatorMng\EOTActuatorMng\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)\NxtLib\src\interpolation.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -I\$(PROJECTROOT)\NxtLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\utp\contract\Ap_EOTActuatorMng -I\$(PROJECTROOT)\utp\contract -I\$(Compiler Install Path)\include
File	\$(PROJECTROOT)\src\Ap_EOTActuatorMng.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -I\$(PROJECTROOT)\NxtLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\utp\contract\Ap_EOTActuatorMng -I\$(PROJECTROOT)\utp\contract -I\$(Compiler Install Path)\include

## Comments/Description/Specification

Name	Text
Module 'EOTActuatorMng'	/*****Unit Test Description*****/ Name of Tester:Priti Manglekar Code File(s) Under Test:Ap_EOTActuatorMng.c Code File(s) Version:19 Module Design Document:End_of_Travel_Actuator_Management_MDD.docx Module Design Document Version:25 Data Dictionary Version:21 Unit Test Plan Version:11 Optimization Level:Level 2 Compiler (CodeGen) Version:TMS470_4.9.5 Model Type:Excel Macro Model Version:Nexteer EPS Unit Test Tool 2.7d/EPS Library 1.32 Total FLASH Used (Bytes):2914 Total RAM Used (Bytes):54 Total CALS Used (Bytes):170 Special Test Requirements: Test Date:6/29/2015 Comments:"NOTE 1: Inline functions defined in GlobalMacro.h are not untested. NOTE 2: ""CBD_Sandbox_dbg.map"" is embedded for reference." /*****

## Attributes

Name	Value
Compiler Install Path	\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5
Float Precision	9
InitObjDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj
InitSrcDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd
Makefile Template	\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570.tpl
Target Install Path	\$(ProgramFiles)\pls\UDE 3.2
Time Unit	Cycles

# TEST DETAILS REPORT

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SES\_CalcExitGain



Attributes	
Name	Value
Timer Enabled	false
Timer Prescale	0
Timer Resolution	1
UDE Config File	\$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg
Workspace File	D:\Synergy_Work_Area\CBD_EOTActuatorMng\EOTActuatorMng\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

# TEST DETAILS REPORT

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SES\_CalcExitGain



## Test Case 1: Metrics Test

<b>Specification</b>	Performance Metrics (With "None" Instrumentation and WithPS Environment) CPU Cycles:  TS1.1 94 cycles TS1.2 166 cycles
<b>Description</b>	Vector Description  TS1.1"Shortest Execution Path: (HandWheelPos2_HwDeg_T_f32 < D_ZERO_ULS_F32) ==> FALSE" TS1.2"Longest Execution Path: (HandWheelPos2_HwDeg_T_f32 < D_ZERO_ULS_F32) ==> TRUE"

### Test Step 1.1 (Repeat Count = 1)

Name	Input Value			
EOTActuatorMng_FiltHwTrqSV_HwNm_M_s7p24	25165824			
FiltHwTrqPtr_HwNm_T_f32	tgt_FiltHwTrqPtr_HwNm_T_f32			
HandWheelPos_HwDeg_T_f32	150.5			
HwTorque_HwNm_T_f32	-1.20000005			
PrevEOTGain_Uls_T_f32	0.200000003			
k_EOTStateHwTrqLPFKn_Cnt_u16	20583			
t_TrqTableX_HwNm_u8p8[0]	768			
t_TrqTableX_HwNm_u8p8[1]	1792			
t_TrqTblY_Uls_u2p14[0]	16			
t_TrqTblY_Uls_u2p14[1]	33			
Name	Actual Value	Expected Value	Result	
EOTActuatorMng_FiltHwTrqSV_HwNm_M_s7p24	10942971	10942971 ± 1	✓	
SES_CalcExitGain()	0.200000003	0.200000003	✓	
tgt_FiltHwTrqPtr_HwNm_T_f32	0.6484375	0.6484375	✓	

### Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

### Test Step 1.2 (Repeat Count = 1)

Name	Input Value			
EOTActuatorMng_FiltHwTrqSV_HwNm_M_s7p24	-25165824			
FiltHwTrqPtr_HwNm_T_f32	tgt_FiltHwTrqPtr_HwNm_T_f32			
HandWheelPos_HwDeg_T_f32	-150.5			
HwTorque_HwNm_T_f32	1.29999995			
PrevEOTGain_Uls_T_f32	0.100000001			
k_EOTStateHwTrqLPFKn_Cnt_u16	20583			
t_TrqTableX_HwNm_u8p8[0]	256			
t_TrqTableX_HwNm_u8p8[1]	512			
t_TrqTblY_Uls_u2p14[0]	426			
t_TrqTblY_Uls_u2p14[1]	344			
Name	Actual Value	Expected Value	Result	
EOTActuatorMng_FiltHwTrqSV_HwNm_M_s7p24	-24095508	-24095508 ± 1	✓	
SES_CalcExitGain()	0.100000001	0.100000001	✓	
tgt_FiltHwTrqPtr_HwNm_T_f32	-1.4375	-1.4375	✓	

### Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

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SES\_CalcExitGain



## Test Case 2: Boundary Test

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

TS2.1 97 cycles  
TS2.2 97 cycles  
TS2.3 97 cycles  
TS2.4 166 cycles  
TS2.5 163 cycles  
TS2.6 105 cycles  
TS2.7 108 cycles  
TS2.8 97 cycles  
TS2.9 166 cycles  
TS2.10 166 cycles  
TS2.11 166 cycles  
TS2.12 109 cycles  
TS2.13 97 cycles  
TS2.14 109 cycles  
TS2.15 108 cycles  
TS2.16 108 cycles  
TS2.17 97 cycles  
TS2.18 166 cycles  
TS2.19 97 cycles  
TS2.20 108 cycles  
TS2.21 163 cycles  
TS2.22 105 cycles  
TS2.23 94 cycles  
TS2.24 105 cycles  
TS2.25 105 cycles  
TS2.26 94 cycles  
TS2.27 163 cycles  
TS2.28 105 cycles  
TS2.29 94 cycles

**Description** Vector Description

TS2.1HandWheelPos2\_HwDeg\_T\_f32 min  
TS2.2HandWheelPos2\_HwDeg\_T\_f32 max  
TS2.3HandWheelPos2\_HwDeg\_T\_f32 zero  
TS2.4HandWheelPos2\_HwDeg\_T\_f32 neg  
TS2.5HandWheelPos2\_HwDeg\_T\_f32 pos  
TS2.6HwTorque\_HwNm\_T\_f32 min  
TS2.7HwTorque\_HwNm\_T\_f32 max  
TS2.8HwTorque\_HwNm\_T\_f32 zero  
TS2.9HwTorque\_HwNm\_T\_f32 neg  
TS2.10HwTorque\_HwNm\_T\_f32 pos  
TS2.11PrevEOTGain\_Uls\_T\_f32 min  
TS2.12PrevEOTGain\_Uls\_T\_f32 max  
TS2.13PrevEOTGain\_Uls\_T\_f32 pos  
TS2.14FiltHwTrqSV\_HwNm\_M\_s7p24 min  
TS2.15FiltHwTrqSV\_HwNm\_M\_s7p24 max  
TS2.16FiltHwTrqSV\_HwNm\_M\_s7p24 zero  
TS2.17FiltHwTrqSV\_HwNm\_M\_s7p24 neg  
TS2.18FiltHwTrqSV\_HwNm\_M\_s7p24 pos  
TS2.19k\_EOTStateHwTrqLPFKn\_Cnt\_u16 min  
TS2.20k\_EOTStateHwTrqLPFKn\_Cnt\_u16 max  
TS2.21k\_EOTStateHwTrqLPFKn\_Cnt\_u16 mid/default  
TS2.22t\_TrqTableX\_HwNm\_u8p8[2] min  
TS2.23t\_TrqTableX\_HwNm\_u8p8[2] max  
TS2.24t\_TrqTableX\_HwNm\_u8p8[2] mid  
TS2.25t\_TrqTblY\_Uls\_u2p14[2] min  
TS2.26t\_TrqTblY\_Uls\_u2p14[2] max  
TS2.27t\_TrqTblY\_Uls\_u2p14[2] min  
TS2.28All min  
TS2.29All max

## Test Step 2.1 (Repeat Count = 1)

Name	Input Value		
EOTActuatorMng_FiltHwTrqSV_HwNm_M_s7p24	-25165824		
FiltHwTrqPtr_HwNm_T_f32	tgt_FiltHwTrqPtr_HwNm_T_f32		
HandWheelPos_HwDeg_T_f32	-1440.10999		
HwTorque_HwNm_T_f32	1.125		
PrevEOTGain_Uls_T_f32	0.100000001		
k_EOTStateHwTrqLPFKn_Cnt_u16	3754		
t_TrqTableX_HwNm_u8p8[0]	512		
t_TrqTableX_HwNm_u8p8[1]	1280		
t_TrqTblY_Uls_u2p14[0]	16		
t_TrqTblY_Uls_u2p14[1]	164		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_FiltHwTrqSV_HwNm_M_s7p24	-24805440	-24805440 ± 1	✔
SES_CalcExitGain()	0.100000001	0.100000001	✔
tgt_FiltHwTrqPtr_HwNm_T_f32	-1.48046875	-1.48046875	✔

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

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Test Step 2.2 (Repeat Count = 1)				
Name		Input Value		
EOTActuatorMng_FiltHwTrqSV_HwNm_M_s7p24		25165824		
FiltHwTrqPtr_HwNm_T_f32		tgt_FiltHwTrqPtr_HwNm_T_f32		
HandWheelPos_HwDeg_T_f32		1440.10999		
HwTorque_HwNm_T_f32		-1.25399995		
PrevEOTGain_Uls_T_f32		0.200000003		
k_EOTStateHwTrqLPFKn_Cnt_u16		2436		
t_TrqTableX_HwNm_u8p8[0]		768		
t_TrqTableX_HwNm_u8p8[1]		1536		
t_TrqTblY_Uls_u2p14[0]		33		
t_TrqTblY_Uls_u2p14[1]		328		
Name		Actual Value	Expected Value	Result
EOTActuatorMng_FiltHwTrqSV_HwNm_M_s7p24		23448444	23448444 ± 1	✓
SES_CalcExitGain()		0.200000003	0.200000003	✓
tgt_FiltHwTrqPtr_HwNm_T_f32		1.39453125	1.39453125	✓

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		
EOTActuatorMng_FiltHwTrqSV_HwNm_M_s7p24		-150994944		
FiltHwTrqPtr_HwNm_T_f32		tgt_FiltHwTrqPtr_HwNm_T_f32		
HandWheelPos_HwDeg_T_f32		0		
HwTorque_HwNm_T_f32		2.35400009		
PrevEOTGain_Uls_T_f32		0.300000012		
k_EOTStateHwTrqLPFKn_Cnt_u16		9999		
t_TrqTableX_HwNm_u8p8[0]		1024		
t_TrqTableX_HwNm_u8p8[1]		1792		
t_TrqTblY_Uls_u2p14[0]		49		
t_TrqTblY_Uls_u2p14[1]		492		
Name		Actual Value	Expected Value	Result
EOTActuatorMng_FiltHwTrqSV_HwNm_M_s7p24		-121937850	-121937850 ± 1	✓
SES_CalcExitGain()		0.300000012	0.300000012	✓
tgt_FiltHwTrqPtr_HwNm_T_f32		-7.26953125	-7.26953125	✓

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

Test Step 2.4 (Repeat Count = 1)				
Name		Input Value		
EOTActuatorMng_FiltHwTrqSV_HwNm_M_s7p24		150994944		
FiltHwTrqPtr_HwNm_T_f32		tgt_FiltHwTrqPtr_HwNm_T_f32		
HandWheelPos_HwDeg_T_f32		-1000.09998		
HwTorque_HwNm_T_f32		-2.1559999		
PrevEOTGain_Uls_T_f32		0.400000006		
k_EOTStateHwTrqLPFKn_Cnt_u16		8888		
t_TrqTableX_HwNm_u8p8[0]		256		
t_TrqTableX_HwNm_u8p8[1]		1536		
t_TrqTblY_Uls_u2p14[0]		66		
t_TrqTblY_Uls_u2p14[1]		655		
Name		Actual Value	Expected Value	Result
EOTActuatorMng_FiltHwTrqSV_HwNm_M_s7p24		135414280	135414280 ± 1	✓
SES_CalcExitGain()		0.400000006	0.400000006	✓
tgt_FiltHwTrqPtr_HwNm_T_f32		8.0703125	8.0703125	✓

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

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## Test Step 2.5 (Repeat Count = 1)

Name	Input Value		
EOTActuatorMng_FiltHwTrqSV_HwNm_M_s7p24	-134217728		
FiltHwTrqPtr_HwNm_T_f32	tgt_FiltHwTrqPtr_HwNm_T_f32		
HandWheelPos_HwDeg_T_f32	1000.09998		
HwTorque_HwNm_T_f32	3.65100002		
PrevEOTGain_Uls_T_f32	0.5		
k_EOTStateHwTrqLPFKn_Cnt_u16	7777		
t_TrqTableX_HwNm_u8p8[0]	512		
t_TrqTableX_HwNm_u8p8[1]	1280		
t_TrqTblY_Uls_u2p14[0]	82		
t_TrqTblY_Uls_u2p14[1]	819		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_FiltHwTrqSV_HwNm_M_s7p24	-111026714	-111026714 ± 1	✔
SES_CalcExitGain()	0.5	0.5	✔
tgt_FiltHwTrqPtr_HwNm_T_f32	-6.62109375	-6.62109375	✔

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

## Test Step 2.6 (Repeat Count = 1)

Name	Input Value		
EOTActuatorMng_FiltHwTrqSV_HwNm_M_s7p24	134217728		
FiltHwTrqPtr_HwNm_T_f32	tgt_FiltHwTrqPtr_HwNm_T_f32		
HandWheelPos_HwDeg_T_f32	900.122986		
HwTorque_HwNm_T_f32	-10		
PrevEOTGain_Uls_T_f32	0.600000024		
k_EOTStateHwTrqLPFKn_Cnt_u16	6666		
t_TrqTableX_HwNm_u8p8[0]	768		
t_TrqTableX_HwNm_u8p8[1]	1024		
t_TrqTblY_Uls_u2p14[0]	98		
t_TrqTblY_Uls_u2p14[1]	16		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_FiltHwTrqSV_HwNm_M_s7p24	103500800	103500800 ± 1	✔
SES_CalcExitGain()	0.600000024	0.600000024	✔
tgt_FiltHwTrqPtr_HwNm_T_f32	6.16796875	6.16796875	✔

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

## Test Step 2.7 (Repeat Count = 1)

Name	Input Value		
EOTActuatorMng_FiltHwTrqSV_HwNm_M_s7p24	-117440512		
FiltHwTrqPtr_HwNm_T_f32	tgt_FiltHwTrqPtr_HwNm_T_f32		
HandWheelPos_HwDeg_T_f32	-900.257996		
HwTorque_HwNm_T_f32	10		
PrevEOTGain_Uls_T_f32	0.699999988		
k_EOTStateHwTrqLPFKn_Cnt_u16	5555		
t_TrqTableX_HwNm_u8p8[0]	512		
t_TrqTableX_HwNm_u8p8[1]	768		
t_TrqTblY_Uls_u2p14[0]	115		
t_TrqTblY_Uls_u2p14[1]	33		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_FiltHwTrqSV_HwNm_M_s7p24	-121706752	-121706752 ± 1	✔
SES_CalcExitGain()	0.699999988	0.699999988	✔
tgt_FiltHwTrqPtr_HwNm_T_f32	-7.2578125	-7.2578125	✔

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓



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## Test Step 2.8 (Repeat Count = 1)

Name	Input Value		
EOTActuatorMng_FiltHwTrqSV_HwNm_M_s7p24	117440512		
FiltHwTrqPtr_HwNm_T_f32	tgt_FiltHwTrqPtr_HwNm_T_f32		
HandWheelPos_HwDeg_T_f32	800.323975		
HwTorque_HwNm_T_f32	0		
PrevEOTGain_Uls_T_f32	0.800000012		
k_EOTStateHwTrqLPFkn_Cnt_u16	4444		
t_TrqTableX_HwNm_u8p8[0]	256		
t_TrqTableX_HwNm_u8p8[1]	512		
t_TrqTblY_Uls_u2p14[0]	131		
t_TrqTblY_Uls_u2p14[1]	49		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_FiltHwTrqSV_HwNm_M_s7p24	109476864	109476864 ± 1	✓
SES_CalcExitGain()	0.800000012	0.800000012	✓
tgt_FiltHwTrqPtr_HwNm_T_f32	6.5234375	6.5234375	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

## Test Step 2.9 (Repeat Count = 1)

Name	Input Value		
EOTActuatorMng_FiltHwTrqSV_HwNm_M_s7p24	-100663296		
FiltHwTrqPtr_HwNm_T_f32	tgt_FiltHwTrqPtr_HwNm_T_f32		
HandWheelPos_HwDeg_T_f32	-800.254028		
HwTorque_HwNm_T_f32	-5.0999999		
PrevEOTGain_Uls_T_f32	0.899999976		
k_EOTStateHwTrqLPFkn_Cnt_u16	3333		
t_TrqTableX_HwNm_u8p8[0]	256		
t_TrqTableX_HwNm_u8p8[1]	1792		
t_TrqTblY_Uls_u2p14[0]	147		
t_TrqTblY_Uls_u2p14[1]	66		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_FiltHwTrqSV_HwNm_M_s7p24	-91194243	-91194243 ± 1	✓
SES_CalcExitGain()	0.899999976	0.899999976	✓
tgt_FiltHwTrqPtr_HwNm_T_f32	-5.4375	-5.4375	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

## Test Step 2.10 (Repeat Count = 1)

Name	Input Value		
EOTActuatorMng_FiltHwTrqSV_HwNm_M_s7p24	100663296		
FiltHwTrqPtr_HwNm_T_f32	tgt_FiltHwTrqPtr_HwNm_T_f32		
HandWheelPos_HwDeg_T_f32	700.025024		
HwTorque_HwNm_T_f32	5.0999999		
PrevEOTGain_Uls_T_f32	0.150000006		
k_EOTStateHwTrqLPFkn_Cnt_u16	2222		
t_TrqTableX_HwNm_u8p8[0]	768		
t_TrqTableX_HwNm_u8p8[1]	2304		
t_TrqTblY_Uls_u2p14[0]	164		
t_TrqTblY_Uls_u2p14[1]	82		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_FiltHwTrqSV_HwNm_M_s7p24	100150014	100150014 ± 1	✓
SES_CalcExitGain()	0.150000006	0.150000006	✓
tgt_FiltHwTrqPtr_HwNm_T_f32	5.96875	5.96875	✓

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

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## Test Step 2.11 (Repeat Count = 1)

Name	Input Value		
EOTActuatorMng_FiltHwTrqSV_HwNm_M_s7p24	-83886080		
FiltHwTrqPtr_HwNm_T_f32	tgt_FiltHwTrqPtr_HwNm_T_f32		
HandWheelPos_HwDeg_T_f32	-700.841003		
HwTorque_HwNm_T_f32	-3.35400009		
PrevEOTGain_Uls_T_f32	0		
k_EOTStateHwTrqLPFKn_Cnt_u16	1111		
t_TrqTableX_HwNm_u8p8[0]	256		
t_TrqTableX_HwNm_u8p8[1]	1280		
t_TrqTblY_Uls_u2p14[0]	98		
t_TrqTblY_Uls_u2p14[1]	180		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_FiltHwTrqSV_HwNm_M_s7p24	-81510762	-81510762 ± 1	✔
SES_CalcExitGain()	0.00891113281	0.00891113281	✔
tgt_FiltHwTrqPtr_HwNm_T_f32	-4.859375	-4.859375	✔

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

## Test Step 2.12 (Repeat Count = 1)

Name	Input Value		
EOTActuatorMng_FiltHwTrqSV_HwNm_M_s7p24	83886080		
FiltHwTrqPtr_HwNm_T_f32	tgt_FiltHwTrqPtr_HwNm_T_f32		
HandWheelPos_HwDeg_T_f32	600.122986		
HwTorque_HwNm_T_f32	4.85400009		
PrevEOTGain_Uls_T_f32	1		
k_EOTStateHwTrqLPFKn_Cnt_u16	1000		
t_TrqTableX_HwNm_u8p8[0]	256		
t_TrqTableX_HwNm_u8p8[1]	1024		
t_TrqTblY_Uls_u2p14[0]	197		
t_TrqTblY_Uls_u2p14[1]	115		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_FiltHwTrqSV_HwNm_M_s7p24	83848080	83848080 ± 1	✔
SES_CalcExitGain()	1	1	✔
tgt_FiltHwTrqPtr_HwNm_T_f32	4.99609375	4.99609375	✔

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

## Test Step 2.13 (Repeat Count = 1)

Name	Input Value		
EOTActuatorMng_FiltHwTrqSV_HwNm_M_s7p24	-67108864		
FiltHwTrqPtr_HwNm_T_f32	tgt_FiltHwTrqPtr_HwNm_T_f32		
HandWheelPos_HwDeg_T_f32	-600.153992		
HwTorque_HwNm_T_f32	-4.64400005		
PrevEOTGain_Uls_T_f32	0.5		
k_EOTStateHwTrqLPFKn_Cnt_u16	900		
t_TrqTableX_HwNm_u8p8[0]	2048		
t_TrqTableX_HwNm_u8p8[1]	2304		
t_TrqTblY_Uls_u2p14[0]	213		
t_TrqTblY_Uls_u2p14[1]	131		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_FiltHwTrqSV_HwNm_M_s7p24	-65118064	-65118064 ± 1	✔
SES_CalcExitGain()	0.5	0.5	✔
tgt_FiltHwTrqPtr_HwNm_T_f32	-3.8828125	-3.8828125	✔

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

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## Test Step 2.14 (Repeat Count = 1)

Name	Input Value		
EOTActuatorMng_FiltHwTrqSV_HwNm_M_s7p24	-167772160		
FiltHwTrqPtr_HwNm_T_f32	tgt_FiltHwTrqPtr_HwNm_T_f32		
HandWheelPos_HwDeg_T_f32	-300.153992		
HwTorque_HwNm_T_f32	-8.85400009		
PrevEOTGain_Uls_T_f32	0.75		
k_EOTStateHwTrqLPFKn_Cnt_u16	800		
t_TrqTableX_HwNm_u8p8[0]	1536		
t_TrqTableX_HwNm_u8p8[1]	2048		
t_TrqTblY_Uls_u2p14[0]	229		
t_TrqTblY_Uls_u2p14[1]	147		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_FiltHwTrqSV_HwNm_M_s7p24	-163911360	-163911360 ± 1	✔
SES_CalcExitGain()	0.75	0.75	✔
tgt_FiltHwTrqPtr_HwNm_T_f32	-9.7734375	-9.7734375	✔

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

## Test Step 2.15 (Repeat Count = 1)

Name	Input Value		
EOTActuatorMng_FiltHwTrqSV_HwNm_M_s7p24	167772160		
FiltHwTrqPtr_HwNm_T_f32	tgt_FiltHwTrqPtr_HwNm_T_f32		
HandWheelPos_HwDeg_T_f32	200.510101		
HwTorque_HwNm_T_f32	9.35099983		
PrevEOTGain_Uls_T_f32	0.850000024		
k_EOTStateHwTrqLPFKn_Cnt_u16	700		
t_TrqTableX_HwNm_u8p8[0]	1280		
t_TrqTableX_HwNm_u8p8[1]	1792		
t_TrqTblY_Uls_u2p14[0]	246		
t_TrqTblY_Uls_u2p14[1]	164		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_FiltHwTrqSV_HwNm_M_s7p24	167655260	167655260 ± 1	✔
SES_CalcExitGain()	0.850000024	0.850000024	✔
tgt_FiltHwTrqPtr_HwNm_T_f32	9.9921875	9.9921875	✔

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

## Test Step 2.16 (Repeat Count = 1)

Name	Input Value		
EOTActuatorMng_FiltHwTrqSV_HwNm_M_s7p24	0		
FiltHwTrqPtr_HwNm_T_f32	tgt_FiltHwTrqPtr_HwNm_T_f32		
HandWheelPos_HwDeg_T_f32	-200.873993		
HwTorque_HwNm_T_f32	-9.14700031		
PrevEOTGain_Uls_T_f32	0.949999988		
k_EOTStateHwTrqLPFKn_Cnt_u16	600		
t_TrqTableX_HwNm_u8p8[0]	512		
t_TrqTableX_HwNm_u8p8[1]	1536		
t_TrqTblY_Uls_u2p14[0]	262		
t_TrqTblY_Uls_u2p14[1]	180		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_FiltHwTrqSV_HwNm_M_s7p24	1404600	1404600 ± 1	✔
SES_CalcExitGain()	0.949999988	0.949999988	✔
tgt_FiltHwTrqPtr_HwNm_T_f32	0.08203125	0.08203125	✔

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

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## Test Step 2.17 (Repeat Count = 1)

Name	Input Value		
EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24	-52009369		
FiltHwTrqPtr_HwNm_T_f32	tgt_FiltHwTrqPtr_HwNm_T_f32		
HandWheelPos_HwDeg_T_f32	100.357002		
HwTorque_HwNm_T_f32	1.5		
PrevEOTGain_Uls_T_f32	0.109999999		
k_EOTStateHwTrqLPFKn_Cnt_u16	500		
t_TrqTableX_HwNm_u8p8[0]	768		
t_TrqTableX_HwNm_u8p8[1]	1280		
t_TrqTblY_Uls_u2p14[0]	279		
t_TrqTblY_Uls_u2p14[1]	197		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24	-51420369	-51420370 ± 1	✔
SES_CalcExitGain()	0.109999999	0.109999999	✔
tgt_FiltHwTrqPtr_HwNm_T_f32	-3.06640625	-3.06640625	✔

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

## Test Step 2.18 (Repeat Count = 1)

Name	Input Value		
EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24	52009369		
FiltHwTrqPtr_HwNm_T_f32	tgt_FiltHwTrqPtr_HwNm_T_f32		
HandWheelPos_HwDeg_T_f32	-100.158997		
HwTorque_HwNm_T_f32	-1.5		
PrevEOTGain_Uls_T_f32	0.219999999		
k_EOTStateHwTrqLPFKn_Cnt_u16	400		
t_TrqTableX_HwNm_u8p8[0]	0		
t_TrqTableX_HwNm_u8p8[1]	1024		
t_TrqTblY_Uls_u2p14[0]	295		
t_TrqTblY_Uls_u2p14[1]	213		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24	51845769	51845770 ± 1	✔
SES_CalcExitGain()	0.219999999	0.219999999	✔
tgt_FiltHwTrqPtr_HwNm_T_f32	3.08984375	3.08984375	✔

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

## Test Step 2.19 (Repeat Count = 1)

Name	Input Value		
EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24	67108864		
FiltHwTrqPtr_HwNm_T_f32	tgt_FiltHwTrqPtr_HwNm_T_f32		
HandWheelPos_HwDeg_T_f32	111.851997		
HwTorque_HwNm_T_f32	2.5		
PrevEOTGain_Uls_T_f32	0.330000013		
k_EOTStateHwTrqLPFKn_Cnt_u16	82		
t_TrqTableX_HwNm_u8p8[0]	1536		
t_TrqTableX_HwNm_u8p8[1]	2304		
t_TrqTblY_Uls_u2p14[0]	311		
t_TrqTblY_Uls_u2p14[1]	229		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24	67077376	67077376 ± 1	✔
SES_CalcExitGain()	0.330000013	0.330000013	✔
tgt_FiltHwTrqPtr_HwNm_T_f32	3.99609375	3.99609375	✔

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

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## Test Step 2.20 (Repeat Count = 1)

Name	Input Value		
EOTActuatorMng_FiltHwTrqSV_HwNm_M_s7p24	-67108864		
FiltHwTrqPtr_HwNm_T_f32	tgt_FiltHwTrqPtr_HwNm_T_f32		
HandWheelPos_HwDeg_T_f32	-222.854004		
HwTorque_HwNm_T_f32	-2.5		
PrevEOTGain_Uls_T_f32	0.439999998		
k_EOTStateHwTrqLPFKn_Cnt_u16	30573		
t_TrqTableX_HwNm_u8p8[0]	0		
t_TrqTableX_HwNm_u8p8[1]	512		
t_TrqTblY_Uls_u2p14[0]	328		
t_TrqTblY_Uls_u2p14[1]	246		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_FiltHwTrqSV_HwNm_M_s7p24	-16235392	-16235392 ± 1	✔
SES_CalcExitGain()	0.439999998	0.439999998	✔
tgt_FiltHwTrqPtr_HwNm_T_f32	-0.96875	-0.96875	✔

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

## Test Step 2.21 (Repeat Count = 1)

Name	Input Value		
EOTActuatorMng_FiltHwTrqSV_HwNm_M_s7p24	83886080		
FiltHwTrqPtr_HwNm_T_f32	tgt_FiltHwTrqPtr_HwNm_T_f32		
HandWheelPos_HwDeg_T_f32	333.354004		
HwTorque_HwNm_T_f32	3.5		
PrevEOTGain_Uls_T_f32	0.550000012		
k_EOTStateHwTrqLPFKn_Cnt_u16	20583		
t_TrqTableX_HwNm_u8p8[0]	256		
t_TrqTableX_HwNm_u8p8[1]	2304		
t_TrqTblY_Uls_u2p14[0]	344		
t_TrqTblY_Uls_u2p14[1]	262		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_FiltHwTrqSV_HwNm_M_s7p24	75982208	75982208 ± 1	✔
SES_CalcExitGain()	0.550000012	0.550000012	✔
tgt_FiltHwTrqPtr_HwNm_T_f32	4.52734375	4.52734375	✔

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

## Test Step 2.22 (Repeat Count = 1)

Name	Input Value		
EOTActuatorMng_FiltHwTrqSV_HwNm_M_s7p24	-83886080		
FiltHwTrqPtr_HwNm_T_f32	tgt_FiltHwTrqPtr_HwNm_T_f32		
HandWheelPos_HwDeg_T_f32	-333.156006		
HwTorque_HwNm_T_f32	-3.5		
PrevEOTGain_Uls_T_f32	0.660000026		
k_EOTStateHwTrqLPFKn_Cnt_u16	100		
t_TrqTableX_HwNm_u8p8[0]	0		
t_TrqTableX_HwNm_u8p8[1]	0		
t_TrqTblY_Uls_u2p14[0]	360		
t_TrqTblY_Uls_u2p14[1]	279		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_FiltHwTrqSV_HwNm_M_s7p24	-83668480	-83668480 ± 1	✔
SES_CalcExitGain()	0.660000026	0.660000026	✔
tgt_FiltHwTrqPtr_HwNm_T_f32	-4.98828125	-4.98828125	✔

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

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## Test Step 2.23 (Repeat Count = 1)

Name	Input Value		
EOTActuatorMng_FiltHwTrqSV_HwNm_M_s7p24	100663296		
FiltHwTrqPtr_HwNm_T_f32	tgt_FiltHwTrqPtr_HwNm_T_f32		
HandWheelPos_HwDeg_T_f32	444.854004		
HwTorque_HwNm_T_f32	4.5		
PrevEOTGain_Uls_T_f32	0.769999981		
k_EOTStateHwTrqLPFKn_Cnt_u16	200		
t_TrqTableX_HwNm_u8p8[0]	2560		
t_TrqTableX_HwNm_u8p8[1]	2560		
t_TrqTblY_Uls_u2p14[0]	377		
t_TrqTblY_Uls_u2p14[1]	295		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_FiltHwTrqSV_HwNm_M_s7p24	100586496	100586496 ± 1	✔
SES_CalcExitGain()	0.769999981	0.769999981	✔
tgt_FiltHwTrqPtr_HwNm_T_f32	5.9921875	5.9921875	✔

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

## Test Step 2.24 (Repeat Count = 1)

Name	Input Value		
EOTActuatorMng_FiltHwTrqSV_HwNm_M_s7p24	-100663296		
FiltHwTrqPtr_HwNm_T_f32	tgt_FiltHwTrqPtr_HwNm_T_f32		
HandWheelPos_HwDeg_T_f32	-555.953979		
HwTorque_HwNm_T_f32	-5.5		
PrevEOTGain_Uls_T_f32	0.879999995		
k_EOTStateHwTrqLPFKn_Cnt_u16	300		
t_TrqTableX_HwNm_u8p8[0]	0		
t_TrqTableX_HwNm_u8p8[1]	256		
t_TrqTblY_Uls_u2p14[0]	393		
t_TrqTblY_Uls_u2p14[1]	311		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_FiltHwTrqSV_HwNm_M_s7p24	-99780096	-99780096 ± 1	✔
SES_CalcExitGain()	0.879999995	0.879999995	✔
tgt_FiltHwTrqPtr_HwNm_T_f32	-5.94921875	-5.94921875	✔

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

## Test Step 2.25 (Repeat Count = 1)

Name	Input Value		
EOTActuatorMng_FiltHwTrqSV_HwNm_M_s7p24	33554432		
FiltHwTrqPtr_HwNm_T_f32	tgt_FiltHwTrqPtr_HwNm_T_f32		
HandWheelPos_HwDeg_T_f32	600.356995		
HwTorque_HwNm_T_f32	2.0999999		
PrevEOTGain_Uls_T_f32	0.709999979		
k_EOTStateHwTrqLPFKn_Cnt_u16	310		
t_TrqTableX_HwNm_u8p8[0]	256		
t_TrqTableX_HwNm_u8p8[1]	512		
t_TrqTblY_Uls_u2p14[0]	0		
t_TrqTblY_Uls_u2p14[1]	0		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_FiltHwTrqSV_HwNm_M_s7p24	33562182	33562182 ± 1	✔
SES_CalcExitGain()	0.709999979	0.709999979	✔
tgt_FiltHwTrqPtr_HwNm_T_f32	2	2	✔

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

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## Test Step 2.26 (Repeat Count = 1)

Name	Input Value		
EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24	83886080		
FiltHwTrqPtr_HwNm_T_f32	tgt_FiltHwTrqPtr_HwNm_T_f32		
HandWheelPos_HwDeg_T_f32	650.156006		
HwTorque_HwNm_T_f32	3.20000005		
PrevEOTGain_Uls_T_f32	0.610000014		
k_EOTStateHwTrqLPFKn_Cnt_u16	410		
t_TrqTableX_HwNm_u8p8[0]	1024		
t_TrqTableX_HwNm_u8p8[1]	1280		
t_TrqTblY_Uls_u2p14[0]	16384		
t_TrqTblY_Uls_u2p14[1]	16384		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24	83697070	83697070 ± 1	✔
SES_CalcExitGain()	1	1	✔
tgt_FiltHwTrqPtr_HwNm_T_f32	4.98828125	4.98828125	✔

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

## Test Step 2.27 (Repeat Count = 1)

Name	Input Value		
EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24	-50331648		
FiltHwTrqPtr_HwNm_T_f32	tgt_FiltHwTrqPtr_HwNm_T_f32		
HandWheelPos_HwDeg_T_f32	700.354004		
HwTorque_HwNm_T_f32	4.4000001		
PrevEOTGain_Uls_T_f32	0.50999999		
k_EOTStateHwTrqLPFKn_Cnt_u16	520		
t_TrqTableX_HwNm_u8p8[0]	768		
t_TrqTableX_HwNm_u8p8[1]	1536		
t_TrqTblY_Uls_u2p14[0]	16		
t_TrqTblY_Uls_u2p14[1]	33		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24	-49346768	-49346768 ± 1	✔
SES_CalcExitGain()	0.50999999	0.50999999	✔
tgt_FiltHwTrqPtr_HwNm_T_f32	-2.94140625	-2.94140625	✔

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

## Test Step 2.28 (Repeat Count = 1)

Name	Input Value		
EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24	-167772160		
FiltHwTrqPtr_HwNm_T_f32	tgt_FiltHwTrqPtr_HwNm_T_f32		
HandWheelPos_HwDeg_T_f32	-1440.10999		
HwTorque_HwNm_T_f32	-10		
PrevEOTGain_Uls_T_f32	0		
k_EOTStateHwTrqLPFKn_Cnt_u16	82		
t_TrqTableX_HwNm_u8p8[0]	0		
t_TrqTableX_HwNm_u8p8[1]	0		
t_TrqTblY_Uls_u2p14[0]	0		
t_TrqTblY_Uls_u2p14[1]	0		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_FiltHWTrqSV_HwNm_M_s7p24	-167352320	-167352320 ± 1	✔
SES_CalcExitGain()	0		✔
tgt_FiltHwTrqPtr_HwNm_T_f32	-9.9765625	-9.9765625	✔

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

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## Test Step 2.29 (Repeat Count = 1)

Name	Input Value		
EOTActuatorMng_FiltHwTrqSV_HwNm_M_s7p24	167772160		
FiltHwTrqPtr_HwNm_T_f32	tgt_FiltHwTrqPtr_HwNm_T_f32		
HandWheelPos_HwDeg_T_f32	1440.10999		
HwTorque_HwNm_T_f32	10		
PrevEOTGain_Uls_T_f32	1		
k_EOTStateHwTrqLPFKn_Cnt_u16	30573		
t_TrqTableX_HwNm_u8p8[0]	2560		
t_TrqTableX_HwNm_u8p8[1]	2560		
t_TrqTblY_Uls_u2p14[0]	16384		
t_TrqTblY_Uls_u2p14[1]	16384		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_FiltHwTrqSV_HwNm_M_s7p24	167772160	167772160 ± 1	✔
SES_CalcExitGain()	1	1	✔
tgt_FiltHwTrqPtr_HwNm_T_f32	10	10	✔

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

## Test Case 3: Path Test

<b>Specification</b>	Performance Metrics (With "None" Instrumentation and WithPS Environment) CPU Cycles:  TS3.1 94 cycles TS3.2 94 cycles TS3.3 163 cycles
<b>Description</b>	Vector Description  TS3.1(HandWheelPos2_HwDeg_T_f32 < D_ZERO_ULS_F32)=TRUE TS3.2(HandWheelPos2_HwDeg_T_f32 < D_ZERO_ULS_F32)=FALSE TS3.3EOTExitGain_Uls_T_f32 = Max_m(LUTGain_Uls_T_f32, PrevEOTGain_Uls_T_f32)=>TRUE

## Test Step 3.1 (Repeat Count = 1)

Name	Input Value		
EOTActuatorMng_FiltHwTrqSV_HwNm_M_s7p24	-25165824		
FiltHwTrqPtr_HwNm_T_f32	tgt_FiltHwTrqPtr_HwNm_T_f32		
HandWheelPos_HwDeg_T_f32	-150		
HwTorque_HwNm_T_f32	1		
PrevEOTGain_Uls_T_f32	0.100000001		
k_EOTStateHwTrqLPFKn_Cnt_u16	20583		
t_TrqTableX_HwNm_u8p8[0]	768		
t_TrqTableX_HwNm_u8p8[1]	1792		
t_TrqTblY_Uls_u2p14[0]	0		
t_TrqTblY_Uls_u2p14[1]	16384		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_FiltHwTrqSV_HwNm_M_s7p24	-22531200	-22531200 ± 1	✔
SES_CalcExitGain()	0.100000001	0.100000001	✔
tgt_FiltHwTrqPtr_HwNm_T_f32	-1.34375	-1.34375	✔

## Test Step Call Trace

Actual Function	Count	Expected Function	Count	Result
IntplVarXY_u16_u16Xu16Y_Cnt	1	IntplVarXY_u16_u16Xu16Y_Cnt	1	✓

## Test Step 3.2 (Repeat Count = 1)

Name	Input Value
EOTActuatorMng_FiltHwTrqSV_HwNm_M_s7p24	25165824
FiltHwTrqPtr_HwNm_T_f32	tgt_FiltHwTrqPtr_HwNm_T_f32
HandWheelPos_HwDeg_T_f32	150
HwTorque_HwNm_T_f32	-1
PrevEOTGain_Uls_T_f32	0.200000003
k_EOTStateHwTrqLPFKn_Cnt_u16	20583
t_TrqTableX_HwNm_u8p8[0]	768
t_TrqTableX_HwNm_u8p8[1]	1792
t_TrqTblY_Uls_u2p14[0]	0



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Name	Input Value		
t_TrqTblY_Uls_u2p14[1]	16384		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_FiltHwTrqSV_HwNm_M_s7p24	11992704	11992704 ± 1	✓
SES_CalcExitGain()	0.200000003	0.200000003	✓
tgt_FiltHwTrqPtr_HwNm_T_f32	0.7109375	0.7109375	✓

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

Test Step 3.3 (Repeat Count = 1)				
Name	Input Value			
EOTActuatorMng_FiltHwTrqSV_HwNm_M_s7p24	-83886080			
FiltHwTrqPtr_HwNm_T_f32	tgt_FiltHwTrqPtr_HwNm_T_f32			
HandWheelPos_HwDeg_T_f32	-700.841003			
HwTorque_HwNm_T_f32	-3.35400009			
PrevEOTGain_Uls_T_f32	0			
k_EOTStateHwTrqLPFkn_Cnt_u16	1111			
t_TrqTableX_HwNm_u8p8[0]	256			
t_TrqTableX_HwNm_u8p8[1]	1280			
t_TrqTblY_Uls_u2p14[0]	180			
t_TrqTblY_Uls_u2p14[1]	98			
Name	Actual Value	Expected Value	Result	
EOTActuatorMng_FiltHwTrqSV_HwNm_M_s7p24	-81510762	-81510762 ± 1	✓	
SES_CalcExitGain()	0.00805664063	0.00805664063	✓	
tgt_FiltHwTrqPtr_HwNm_T_f32	-4.859375	-4.859375	✓	

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

# TEST DETAILS REPORT

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SES\_FiltEOTGain



Project	EOTActuatorMng
Module	EOTActuatorMng
Test Object	SES_FiltEOTGain

## Instrumentation: Test Object Only

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

## Statistics

Total Testcases	3
Successful	3 ✓
Failed	0
Not Executed	0

## Module Properties

Project Root Directory	D:\Synergy_Work_Area\CBD_EOTActuatorMng\EOTActuatorMng
Configuration File	D:\Synergy_Work_Area\CBD_EOTActuatorMng\EOTActuatorMng\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)\NxrLib\src\interpolation.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -I\$(PROJECTROOT)\NxrLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\utpl\contract\Ap_EOTActuatorMng -I\$(PROJECTROOT)\utpl\contract -I\$(Compiler Install Path)\include
File	\$(PROJECTROOT)\src\Ap_EOTActuatorMng.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -I\$(PROJECTROOT)\NxrLib\include -I\$(PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\utpl\contract\Ap_EOTActuatorMng -I\$(PROJECTROOT)\utpl\contract -I\$(Compiler Install Path)\include

## Comments/Description/Specification

Name	Text
Module 'EOTActuatorMng'	/******Unit Test Description*****/ Name of Tester:Priti Manglekar Code File(s) Under Test:Ap_EOTActuatorMng.c Code File(s) Version:19 Module Design Document:End_of_Travel_Actuator_Management_MDD.docx Module Design Document Version:25 Data Dictionary Version:21 Unit Test Plan Version:11 Optimization Level:Level 2 Compiler (CodeGen) Version:TMS470_4.9.5 Model Version:Excel Macro Model Type:Excel Macro Model Version:Nexteer EPS Unit Test Tool 2.7d/EPS Library 1.32 Total FLASH Used (Bytes):2914 Total RAM Used (Bytes):54 Total CALS Used (Bytes):170 Special Test Requirements: Test Date:6/29/2015 Comments:"NOTE 1: Inline functions defined in GlobalMacro.h are not untested. NOTE 2: ""CBD_Sandbox_dbg.map"" is embedded for reference." /******

## Attributes

Name	Value
Compiler Install Path	\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5
Float Precision	9
InitObjDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj
InitSrcDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd
Makefile Template	\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570.tpl
Target Install Path	\$(ProgramFiles)\pls\UDE 3.2
Time Unit	Cycles
Timer Enabled	false

# TEST DETAILS REPORT

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SES\_FiltEOTGain



Attributes	
Name	Value
Timer Prescale	0
Timer Resolution	1
UDE Config File	\$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg
Workspace File	D:\Synergy_Work_Area\CBD_EOTActuatorMng\EOTActuatorMng\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

# TEST DETAILS REPORT

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SES\_FiltEOTGain



## Test Case 1: Metrics Test

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

TS1.1 30 cycles  
TS1.2 30 cycles

**Description** Vector Description

TS1.1"Shortest Execution Path:  
SESState\_Uls\_M\_enum = SES\_DISABLED"  
TS1.2"Longest Execution Path:  
SESState\_Uls\_M\_enum = Else"

### Test Step 1.1 (Repeat Count = 1)

Name	Input Value		
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	214748365		
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED		
EOTGain_Uls_T_f32	0.699999988		
k_EOTEnterLPFKn_Cnt_u16	20583		
k_EOTExitLPFKn_Cnt_u16	3991		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	293215416	293215416 ± 1	✓
SES_FiltEOTGain()	0.136535645	0.136535645	✓

### Test Step 1.2 (Repeat Count = 1)

Name	Input Value		
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	644245094		
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL		
EOTGain_Uls_T_f32	0.400000006		
k_EOTEnterLPFKn_Cnt_u16	20583		
k_EOTExitLPFKn_Cnt_u16	3991		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	711695585	711695585 ± 1	✓
SES_FiltEOTGain()	0.331390381	0.331390381	✓

# TEST DETAILS REPORT

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SES\_FiltEOTGain



## Test Case 2: Boundary Test

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

TS2.1 30 cycles  
TS2.2 30 cycles  
TS2.3 30 cycles  
TS2.4 30 cycles  
TS2.5 30 cycles  
TS2.6 30 cycles  
TS2.7 30 cycles  
TS2.8 30 cycles  
TS2.9 30 cycles  
TS2.10 30 cycles  
TS2.11 30 cycles  
TS2.12 30 cycles  
TS2.13 30 cycles  
TS2.14 30 cycles  
TS2.15 30 cycles  
TS2.16 30 cycles  
TS2.17 30 cycles  
TS2.18 30 cycles

**Description** Vector Description

TS2.1EOTGain\_Uls\_T\_f32 min  
TS2.2EOTGain\_Uls\_T\_f32 max  
TS2.3EOTGain\_Uls\_T\_f32 pos  
TS2.4SESState\_Uls\_M\_enum min  
TS2.5SESState\_Uls\_M\_enum =1  
TS2.6SESState\_Uls\_M\_enum =2  
TS2.7SESState\_Uls\_M\_enum max  
TS2.8FiltEOTGainSV\_HwNm\_M\_u1p31 min  
TS2.9FiltEOTGainSV\_HwNm\_M\_u1p31 max  
TS2.10FiltEOTGainSV\_HwNm\_M\_u1p31 pos  
TS2.11k\_EOTExitLPFKn\_Cnt\_u16 min  
TS2.12k\_EOTExitLPFKn\_Cnt\_u16 max  
TS2.13k\_EOTExitLPFKn\_Cnt\_u16 mid/default  
TS2.14k\_EOTEnterLPFKn\_Cnt\_u16 min  
TS2.15k\_EOTEnterLPFKn\_Cnt\_u16 max  
TS2.16k\_EOTEnterLPFKn\_Cnt\_u16 mid/default  
TS2.17All min  
TS2.18All max

### Test Step 2.1 (Repeat Count = 1)

Name	Input Value	Actual Value	Expected Value	Result
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	429496730			
EOTActuatorMng_SESState_Uls_M_enum	SES_ENTERING			
EOTGain_Uls_T_f32	0			
k_EOTEnterLPFKn_Cnt_u16	6544			
k_EOTExitLPFKn_Cnt_u16	111			
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	386613898	386613898	386613898 ± 1	✓
SES_FiltEOTGain()	0.180023193	0.180023193	0.180023193	✓

### Test Step 2.2 (Repeat Count = 1)

Name	Input Value	Actual Value	Expected Value	Result
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	214748365			
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL			
EOTGain_Uls_T_f32	1			
k_EOTEnterLPFKn_Cnt_u16	3643			
k_EOTExitLPFKn_Cnt_u16	222			
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	322187721	322187721	322187721 ± 1	✓
SES_FiltEOTGain()	0.150024414	0.150024414	0.150024414	✓

### Test Step 2.3 (Repeat Count = 1)

Name	Input Value	Actual Value	Expected Value	Result
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	644245094			
EOTActuatorMng_SESState_Uls_M_enum	SES_ENTERING			
EOTGain_Uls_T_f32	0.200000003			
k_EOTEnterLPFKn_Cnt_u16	854			
k_EOTExitLPFKn_Cnt_u16	333			
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	641446536	641446536	641446536 ± 1	✓
SES_FiltEOTGain()	0.298675537	0.298675537	0.298675537	✓

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SES\_FiltEOTGain



## Test Step 2.4 (Repeat Count = 1)

Name	Input Value		
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	1717986918		
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED		
EOTGain_Uls_T_f32	0.100000001		
k_EOTEnterLPFKn_Cnt_u16	799		
k_EOTExitLPFKn_Cnt_u16	444		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	1626441360	1626441360 ± 1	✓
SES_FiltEOTGain()	0.757354736	0.757354736	✓

## Test Step 2.5 (Repeat Count = 1)

Name	Input Value		
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	1717986918		
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL		
EOTGain_Uls_T_f32	0.100000001		
k_EOTEnterLPFKn_Cnt_u16	799		
k_EOTExitLPFKn_Cnt_u16	444		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	1699659456	1699659455 ± 1	✓
SES_FiltEOTGain()	0.791442871	0.791442871	✓

## Test Step 2.6 (Repeat Count = 1)

Name	Input Value		
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	1503238554		
EOTActuatorMng_SESState_Uls_M_enum	SES_ENTERING		
EOTGain_Uls_T_f32	0.200000003		
k_EOTEnterLPFKn_Cnt_u16	600		
k_EOTExitLPFKn_Cnt_u16	555		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	1493408154	1493408154 ± 1	✓
SES_FiltEOTGain()	0.695404053	0.695404053	✓

## Test Step 2.7 (Repeat Count = 1)

Name	Input Value		
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	1503238554		
EOTActuatorMng_SESState_Uls_M_enum	SES_EXITING		
EOTGain_Uls_T_f32	0.200000003		
k_EOTEnterLPFKn_Cnt_u16	600		
k_EOTExitLPFKn_Cnt_u16	555		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	1494145434	1494145434 ± 1	✓
SES_FiltEOTGain()	0.695739746	0.695739746	✓

## Test Step 2.8 (Repeat Count = 1)

Name	Input Value		
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	0		
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL		
EOTGain_Uls_T_f32	0.300000012		
k_EOTEnterLPFKn_Cnt_u16	500		
k_EOTExitLPFKn_Cnt_u16	666		
Name	Actual Value	Expected Value	Result
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	4915000	4915000 ± 1	✓
SES_FiltEOTGain()	0.00225830078	0.00225830101	✓

## Test Step 2.9 (Repeat Count = 1)

Name	Input Value		
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	2147483648		
EOTActuatorMng_SESState_Uls_M_enum	SES_ENTERING		
EOTGain_Uls_T_f32	0.400000006		

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SES\_FiltEOTGain

Name	Input Value	Expected Value	Result
k_EOTEnterLPFKn_Cnt_u16	486		
k_EOTExitLPFKn_Cnt_u16	777		
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	2137928402	2137928402 ± 1	✓
SES_FiltEOTGain()	0.995544434	0.995544434	✓

## Test Step 2.10 (Repeat Count = 1)

Name	Input Value	Expected Value	Result
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	429496730		
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL		
EOTGain_Uls_T_f32	0.600000024		
k_EOTEnterLPFKn_Cnt_u16	400		
k_EOTExitLPFKn_Cnt_u16	888		
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	434739530	434739530 ± 1	✓
SES_FiltEOTGain()	0.202423096	0.202423096	✓

## Test Step 2.11 (Repeat Count = 1)

Name	Input Value	Expected Value	Result
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	858993459		
EOTActuatorMng_SESState_Uls_M_enum	SES_EXITING		
EOTGain_Uls_T_f32	0.699999988		
k_EOTEnterLPFKn_Cnt_u16	300		
k_EOTExitLPFKn_Cnt_u16	82		
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	859799519	859799519 ± 1	✓
SES_FiltEOTGain()	0.400360107	0.400360107	✓

## Test Step 2.12 (Repeat Count = 1)

Name	Input Value	Expected Value	Result
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	1073741824		
EOTActuatorMng_SESState_Uls_M_enum	SES_EXITING		
EOTGain_Uls_T_f32	0.800000012		
k_EOTEnterLPFKn_Cnt_u16	200		
k_EOTExitLPFKn_Cnt_u16	30573		
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	1374274414	1374274414 ± 1	✓
SES_FiltEOTGain()	0.639923096	0.639923096	✓

## Test Step 2.13 (Repeat Count = 1)

Name	Input Value	Expected Value	Result
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	1288490189		
EOTActuatorMng_SESState_Uls_M_enum	SES_EXITING		
EOTGain_Uls_T_f32	0.899999976		
k_EOTEnterLPFKn_Cnt_u16	100		
k_EOTExitLPFKn_Cnt_u16	3991		
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	1327725710	1327725710 ± 1	✓
SES_FiltEOTGain()	0.618255615	0.618255615	✓

## Test Step 2.14 (Repeat Count = 1)

Name	Input Value	Expected Value	Result
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	536870912		
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL		
EOTGain_Uls_T_f32	0.150000006		
k_EOTEnterLPFKn_Cnt_u16	82		
k_EOTExitLPFKn_Cnt_u16	999		
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	536602198	536602198 ± 1	✓
SES_FiltEOTGain()	0.249847412	0.249847412	✓

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SES\_FiltEOTGain



Test Step 2.15 (Repeat Count = 1)				✓
Name	Input Value			
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	1022202216			
EOTActuatorMng_SESState_Uls_M_enum	SES_ENTERING			
EOTGain_Uls_T_f32	0.25			
k_EOTEnterLPFKn_Cnt_u16	30573			
k_EOTExitLPFKn_Cnt_u16	1000			
Name	Actual Value	Expected Value	Result	
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	795809151	795809151 ± 1		✓
SES_FiltEOTGain()	0.370574951	0.370574951		✓

Test Step 2.16 (Repeat Count = 1)				✓
Name	Input Value			
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	923417969			
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL			
EOTGain_Uls_T_f32	0.349999994			
k_EOTEnterLPFKn_Cnt_u16	20583			
k_EOTExitLPFKn_Cnt_u16	6565			
Name	Actual Value	Expected Value	Result	
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	869449343	869449343 ± 1		✓
SES_FiltEOTGain()	0.404846191	0.404846191		✓

Test Step 2.17 (Repeat Count = 1)				✓
Name	Input Value			
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	0			
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED			
EOTGain_Uls_T_f32	0			
k_EOTEnterLPFKn_Cnt_u16	82			
k_EOTExitLPFKn_Cnt_u16	82			
Name	Actual Value	Expected Value	Result	
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	0	0 ± 1		✓
SES_FiltEOTGain()	0	0		✓

Test Step 2.18 (Repeat Count = 1)				✓
Name	Input Value			
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	2147483648			
EOTActuatorMng_SESState_Uls_M_enum	SES_EXITING			
EOTGain_Uls_T_f32	1			
k_EOTEnterLPFKn_Cnt_u16	30573			
k_EOTExitLPFKn_Cnt_u16	30573			
Name	Actual Value	Expected Value	Result	
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	2147483648	2147483648 ± 1		✓
SES_FiltEOTGain()	1	1		✓

Test Case 3: Path Test		✓
Specification	Performance Metrics (With "None" Instrumentation and WithPS Environment) CPU Cycles:  TS3.1 30 cycles TS3.2 30 cycles TS3.3 30 cycles	
Description	Vector Description  TS3.1SESState_Uls_M_enum = SES_DISABLED TS3.2SESState_Uls_M_enum = SES_EXITING TS3.3SESState_Uls_M_enum = Else	

Test Step 3.1 (Repeat Count = 1)		✓
Name	Input Value	
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	214748365	



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Name	Input Value	Expected Value	Result
EOTActuatorMng_SESState_Uls_M_enum	SES_DISABLED		
EOTGain_Uls_T_f32	0.699999988		
k_EOTEnterLPFKn_Cnt_u16	20583		
k_EOTExitLPFKn_Cnt_u16	3991		
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	293215416	293215416 ± 1	✓
SES_FiltEOTGain()	0.136535645	0.136535645	✓

Test Step 3.2 (Repeat Count = 1) ✓			
Name	Input Value	Expected Value	Result
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	429496730		
EOTActuatorMng_SESState_Uls_M_enum	SES_EXITING		
EOTGain_Uls_T_f32	0.800000012		
k_EOTEnterLPFKn_Cnt_u16	20583		
k_EOTExitLPFKn_Cnt_u16	3991		
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	507963781	507963781 ± 1	✓
SES_FiltEOTGain()	0.23651123	0.23651123	✓

Test Step 3.3 (Repeat Count = 1) ✓			
Name	Input Value	Expected Value	Result
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	644245094		
EOTActuatorMng_SESState_Uls_M_enum	SES_NORMAL		
EOTGain_Uls_T_f32	0.400000006		
k_EOTEnterLPFKn_Cnt_u16	20583		
k_EOTExitLPFKn_Cnt_u16	3991		
EOTActuatorMng_FiltEOTGainSV_HwNm_M_u1p31	711695585	711695585 ± 1	✓
SES_FiltEOTGain()	0.331390381	0.331390381	✓