Summary

Total Test Objects:	2
Successful:	1
Failed:	1
Not Executed:	0
Date:	2015-02-04
Time:	13:07:53+0530

Overall Test Object Results (including Coverage)

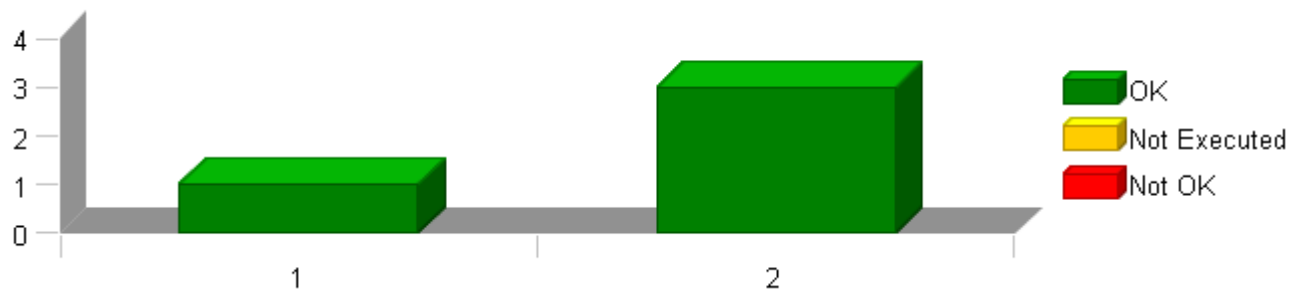

- OK
- Not Executed
- Not OK
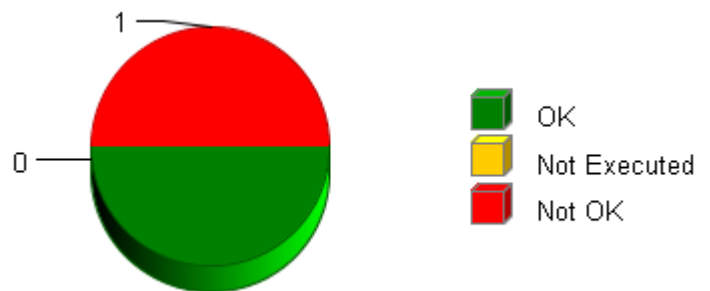
Selected Project Items

Test Object "CBD_UnitTest/TrqOvlSta_FLTINJ/TrqOvlSta_Init"
Test Object "CBD_UnitTest/TrqOvlSta_FLTINJ/TrqOvlSta_Per1"

Used Test Environments

TI TMS 570 PLS UDE (Default)

Test Case Results for Each Test Object (without Coverage)

- OK
- Not Executed
- Not OK

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

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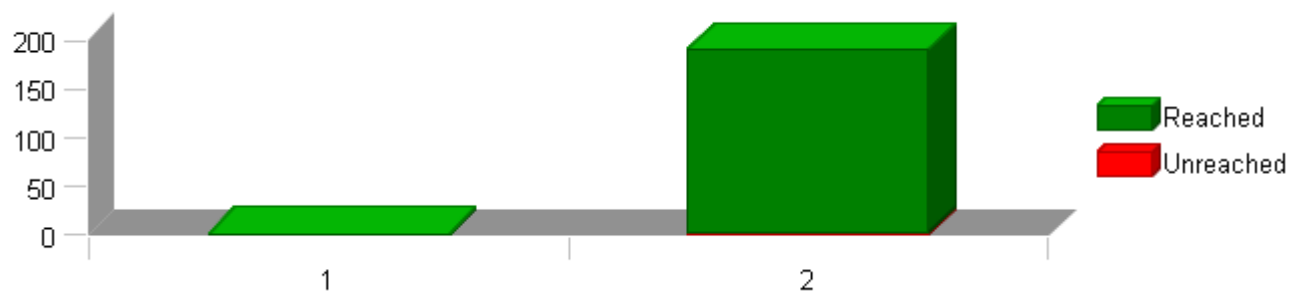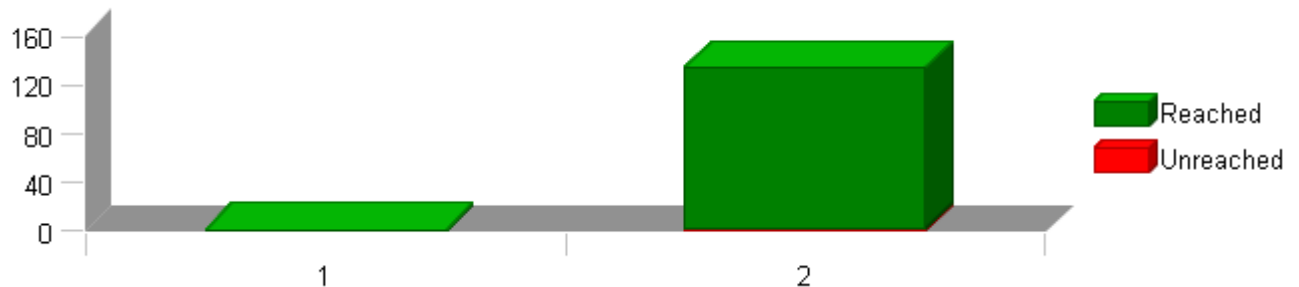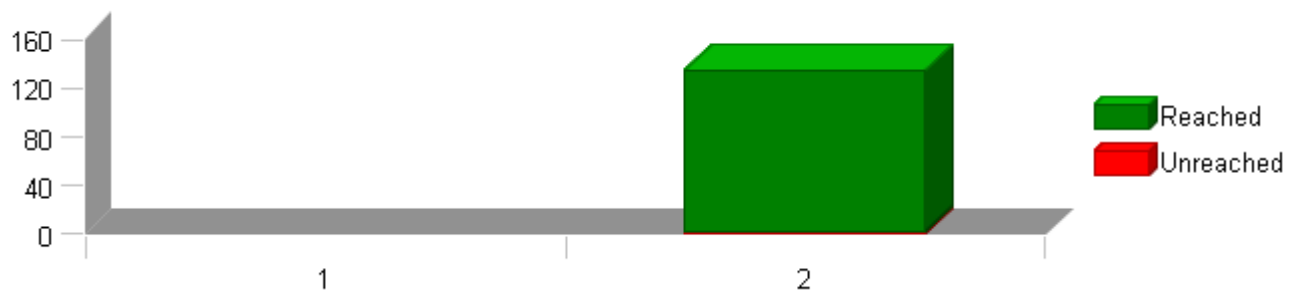

- Reached
- Unreached

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

Branch (C1) Coverage: Total Branches for Each Test Object

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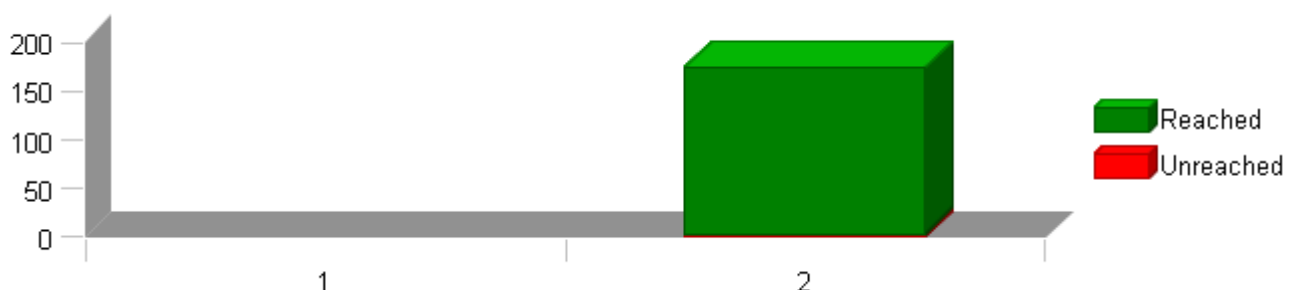
Decision Coverage: Total Decision Outcomes for Each Test Object

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

Each bar is divided into reached and unreached decision outcomes.

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

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

Each bar is divided into reached condition combinations (i.e. combinations of boolean condition values that have been executed during the test) and unreached condition combinations.
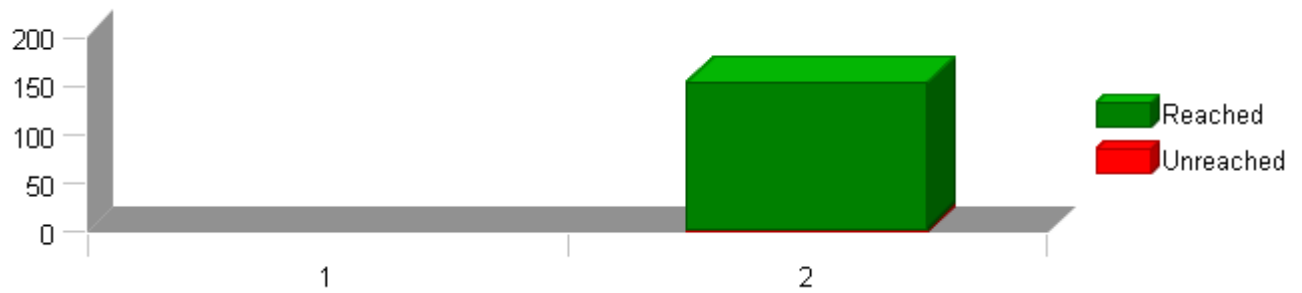
MCC Coverage: Total Condition Combinations for Each Test Object

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

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

Test Object List

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

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

No.	Name	C0	C1	DC	MC/DC	MCC	Test Cases	Result
	CBD_UnitTest	98.95 %	98.52 %	98.51 %	98.27 %	98.05 %	4 of 4 passed	☒
	CBD_UnitTest	98.95 %	98.52 %	98.51 %	98.27 %	98.05 %	4 of 4 passed	☒
	TrqOvlSta_FLTINJ	98.95 %	98.52 %	98.51 %	98.27 %	98.05 %	4 of 4 passed	☒
1	TrqOvlSta_Init	100 %	100 %	-	-	-	1 of 1 passed	✔
2	TrqOvlSta_Per1	98.95 %	98.51 %	98.51 %	98.27 %	98.05 %	3 of 3 passed	☒

Project	CBD_UnitTest
Module	TrqOvlSta_FLTINJ
Test Object	TrqOvlSta_Init

Instrumentation: Test Object Only

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

Statistics

Total Testcases	1	
Successful	1	✔
Failed	0	
Not Executed	0	

Module Properties

Project Root Directory	D:\Synergy_Work_Area\TrqOvlSta_CBD
Configuration File	D:\Synergy_Work_Area\TrqOvlSta_CBD\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	$(PROJECTROOT)\TrqOvlSta\src\Ap_TrqOvlSta.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -DBC_TRQOVLSTA_FAULTINJECTIONPOINT=STD_ON -DSKIP_MAGIC_NUMBER= -I$(PROJECTROOT)\TrqOvlsta\utp\contract -I$(PROJECTROOT)\TrqOvlsta\utp\contract\Ap_TrqOvlSta -I$(PROJECTROOT)\NxtrLib\include -I$(PROJECTROOT)\StdDef\include -I$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include

Comments/Description/Specification	
Name	**Text**
Module 'TrqOvlSta_FLTINJ'	***Unit Test Description***

Name of Tester:Imran desai
Code File(s) Under Test:Ap_TrqOvlSta.c
Code File(s) Version:8
Module Design Document:TrqOvlSta_MDD.docx
Module Design Document Version:7
Data Dictionary Version:6
Unit Test Plan Version:5
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 1.31
Total FLASH Used (Bytes):2128
Total RAM Used (Bytes):44
Total CALS Used (Bytes):65
Special Test Requirements:
Test Date:2/4/2015
Comments:"NOTE 1:- Inline functions defined in ""GlobalMacro.h"" are not unit tested.

NOTE 2:- ""CBD_Sandbox_dbg.map"" map file is embedded for reference.

NOTE 3:- In function ""TrqOvlSta_Per1"", for 100% path coverage, Variable ""TrqOvlSta_APAState_State_M_enum"" is given out of range value at Vector Number ""76"" in Path sheet, Hence at this test vector output variable ""TrqOvlSta_APAState_State_M_enum"" and""APAState_State_enum"" is going Out of Range.

NOTE 4:-In function ""TrqOvlSta_Per1"", for 100% path coverage Variable ""TrqOvlSta_HapticState_State_M_enum"" and ""TrqOvlSta_ESCState_State_M_enum""is given out of range value at Vector Number ""78"" in Path sheet, Hence at this test vector, output variable ""TrqOvlSta_ESCState_State_M_enum"",""TrqOvlSta_HapticState_State_M_enum"",""ESCState_State_enum""and""GMOSHOscillateState_Stat is going Out of Range.
NOTE 5:-In function ""TrqOvlSta_Per1"",100% MCDC coverage is not achieved because (TrqOvlSta_APAState_State_M_enum == APA_Active)=>True and (PosTrajEnable_Cnt_T_lgc == FALSE) =>False cannot be covered as control goes to if loop.
NOTE 6:- When value of 'TrqOvlSta_LKAPermFault_Cnt_M_u08' is greater than three, then the value of 'TrqOvlSta_LKAPermFault_Cnt_M_lgc' is taken as 'TRUE' as 'INPUT' to avoid overflow issue.

NOTE 7:-In function ""TrqOvlSta_Per1"",   (SWARTrgtAngRequest_HwDeg_T_f32<=(CCWPosition_HwDeg_T_f32 + k_SWARLimiter_HwDeg_f32)) = True and (SWARTrgtAngRequest_HwDeg_T_f32 >=(CWPosition_HwDeg_T_f32 - k_SWARLimiter_HwDeg_f32)) = True cannot be covered."
*** |

Attributes	
Name	**Value**
Compiler Install Path	$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5

Attributes	
Name	**Value**
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_ps.tpl
Target Install Path	$(ProgramFiles)\pls\UDE 3.2
Time Unit	Cycles
Timer Enable	false
Timer Prescale	0
Timer Resolution	1.0
UDE Config File	$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg
Workspace File	D:\Synergy_Work_Area\TrqOvlSta_CBD\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

Test Case 1: Boundary Test ✔

Specification

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

CPU Cycles:

TS1.1 114.00 Cycles
TS1.2 116.00 Cycles
TS1.3 115.00 Cycles
TS1.4 113.00 Cycles
TS1.5 113.00 Cycles
TS1.6 113.00 Cycles
TS1.7 113.00 Cycles
TS1.8 115.00 Cycles
TS1.9 115.00 Cycles
TS1.10 115.00 Cycles
TS1.11 115.00 Cycles
TS1.12 113.00 Cycles
TS1.13 115.00 Cycles

Description

Vector Description:

TS1.1k_APAHwTrqLPFKn_Hz_f32 = MIN
TS1.2k_APAHwTrqLPFKn_Hz_f32 = MAX
TS1.3k_APAHwTrqLPFKn_Hz_f32 = POS
TS1.4TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV= MIN
TS1.5TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV = MAX
TS1.6TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV= ZERO
TS1.7TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV= POS
TS1.8TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV= NEG
TS1.9TrqOvlSta_HwTorqueSV_HwNm_M_Str.K = MIN
TS1.10TrqOvlSta_HwTorqueSV_HwNm_M_Str.K = MAX
TS1.11TrqOvlSta_HwTorqueSV_HwNm_M_Str.K = ZERO
TS1.12ALL MIN
TS1.13ALL MAX

Test Step 1.1 (Repeat Count = 1) ✔

Name	Input Value		
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-8.53999996		
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.023		
k_APAHwTrqLPFKn_Hz_f32	0.100000001		

Name	Actual Value	Expected Value	Result
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0	0 ± 0.000009	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.00125586987	0.00125584798 ± 0.00000009	✔

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		
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-5.32000017		
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0869999975		
k_APAHwTrqLPFKn_Hz_f32	100		

Name	Actual Value	Expected Value	Result
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0	0 ± 0.000009	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.715390444	0.715390444 ± 0.00000009	✔

Test Step Call Trace ✔

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

Test Step 1.3 (Repeat Count = 1) ✔

Name	Input Value		
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-3.38000011		
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.150999993		
k_APAHwTrqLPFKn_Hz_f32	50.6500015		

Name	Actual Value	Expected Value	Result
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0	0 ± 0.000009	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.470851779	0.470851779 ± 0.00000009	✔

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

Test Step 1.4 (Repeat Count = 1)			✔
Name	**Input Value**		
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-10		
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.215000004		
k_APAHwTrqLPFKn_Hz_f32	5.40999985		
Name	**Actual Value**	**Expected Value**	**Result**
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0	0 ± 0.000009	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0657246709	0.0657246411 ± 0.00000009	✔

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

Test Step 1.5 (Repeat Count = 1)			✔
Name	**Input Value**		
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	10		
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.279000014		
k_APAHwTrqLPFKn_Hz_f32	11.4200001		
Name	**Actual Value**	**Expected Value**	**Result**
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0	0 ± 0.000009	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.133686125	0.133686095 ± 0.00000009	✔

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

Test Step 1.6 (Repeat Count = 1)			✔
Name	**Input Value**		
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0		
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.342999995		
k_APAHwTrqLPFKn_Hz_f32	15.8500004		
Name	**Actual Value**	**Expected Value**	**Result**
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0	0 ± 0.000009	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.18059516	0.18059513 ± 0.00000009	✔

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

Test Step 1.7 (Repeat Count = 1)			✔
Name	**Input Value**		
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-5.5		
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.407000005		
k_APAHwTrqLPFKn_Hz_f32	20		
Name	**Actual Value**	**Expected Value**	**Result**
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0	0 ± 0.000009	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.222232342	0.222232327 ± 0.00000009	✔

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

Test Step 1.8 (Repeat Count = 1) ✔

Name	Input Value			
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	5.5			
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.470999986			
k_APAHwTrqLPFKn_Hz_f32	28.6100006			
Name	**Actual Value**	**Expected Value**		**Result**
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0	0 ± 0.000009		✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.301991463	0.301991403 ± 0.00000009		✔

Test Step Call Trace ✔

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

Test Step 1.9 (Repeat Count = 1) ✔

Name	Input Value			
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	3.56999993			
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.00125584798			
k_APAHwTrqLPFKn_Hz_f32	36.8600006			
Name	**Actual Value**	**Expected Value**		**Result**
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0	0 ± 0.000009		✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.370730996	0.370730966 ± 0.00000009		✔

Test Step Call Trace ✔

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

Test Step 1.10 (Repeat Count = 1) ✔

Name	Input Value			
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	5			
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.715390444			
k_APAHwTrqLPFKn_Hz_f32	42			
Name	**Actual Value**	**Expected Value**		**Result**
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0	0 ± 0.000009		✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.4100914	0.410091341 ± 0.00000009		✔

Test Step Call Trace ✔

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

Test Step 1.11 (Repeat Count = 1) ✔

Name	Input Value			
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	8			
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.00999999978			
k_APAHwTrqLPFKn_Hz_f32	48.3400002			
Name	**Actual Value**	**Expected Value**		**Result**
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0	0 ± 0.000009		✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.455266416	0.455266356 ± 0.00000009		✔

Test Step Call Trace ✔

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

Test Step 1.12 (Repeat Count = 1) ✔

Name	Input Value			
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-10			
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.00125584798			
k_APAHwTrqLPFKn_Hz_f32	0.100000001			
Name	**Actual Value**	**Expected Value**		**Result**
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0	0 ± 0.000009		✔

Name	Actual Value	Expected Value	Result
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.00125586987	0.00125584798 ± 0.00000009	✔

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

Test Step 1.13 (Repeat Count = 1)				✔
Name	**Input Value**			
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	10			
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.715390444			
k_APAHwTrqLPFKn_Hz_f32	100			
Name	**Actual Value**	**Expected Value**		**Result**
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0	0 ± 0.000009		✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.715390444	0.715390444 ± 0.00000009		✔

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

Project	CBD_UnitTest
Module	TrqOvlSta_FLTINJ
Test Object	TrqOvlSta_Per1

Instrumentation: Test Object Only

Statement (C0) Coverage	98.95 %
Decision Coverage	98.51 %
Branch (C1) Coverage	98.51 %
MCC Coverage	98.05 %
MC/DC Coverage	98.27 %

Statistics

Total Testcases	3	
Successful	3	✔
Failed	0	
Not Executed	0	

Module Properties

Project Root Directory	D:\Synergy_Work_Area\TrqOvlSta_CBD
Configuration File	D:\Synergy_Work_Area\TrqOvlSta_CBD\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	$(PROJECTROOT)\TrqOvlSta\src\Ap_TrqOvlSta.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -DBC_TRQOVLSTA_FAULTINJECTIONPOINT=STD_ON -DSKIP_MAGIC_NUMBER= -I$(PROJECTROOT)\TrqOvlsta\utp\contract -I$(PROJECTROOT)\TrqOvlsta\utp\contract\Ap_TrqOvlSta -I$(PROJECTROOT)\NxtrLib\include -I$(PROJECTROOT)\StdDef\include -I$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include

Comments/Description/Specification	
Name	**Text**
Module 'TrqOvlSta_FLTINJ'	***Unit Test Description***

Name of Tester:Imran desai
Code File(s) Under Test:Ap_TrqOvlSta.c
Code File(s) Version:8
Module Design Document:TrqOvlSta_MDD.docx
Module Design Document Version:7
Data Dictionary Version:6
Unit Test Plan Version:5
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 1.31
Total FLASH Used (Bytes):2128
Total RAM Used (Bytes):44
Total CALS Used (Bytes):65
Special Test Requirements:
Test Date:2/4/2015
Comments:"NOTE 1:- Inline functions defined in ""GlobalMacro.h"" are not unit tested.

NOTE 2:- ""CBD_Sandbox_dbg.map"" map file is embedded for reference.

NOTE 3:- In function ""TrqOvlSta_Per1"", for 100% path coverage, Variable ""TrqOvlSta_APAState_State_M_enum"" is given out of range value at Vector Number ""76"" in Path sheet, Hence at this test vector output variable ""TrqOvlSta_APAState_State_M_enum"" and""APAState_State_enum"" is going Out of Range.

NOTE 4:-In function ""TrqOvlSta_Per1"", for 100% path coverage Variable ""TrqOvlSta_HapticState_State_M_enum"" and ""TrqOvlSta_ESCState_State_M_enum""is given out of range value at Vector Number ""78"" in Path sheet, Hence at this test vector, output variable ""TrqOvlSta_ESCState_State_M_enum"",""TrqOvlSta_HapticState_State_M_enum"",""ESCState_State_enum""and""GMOSHOscillateState_Stat is going Out of Range.
NOTE 5:-In function ""TrqOvlSta_Per1"",100% MCDC coverage is not achieved because (TrqOvlSta_APAState_State_M_enum == APA_Active)=>True and (PosTrajEnable_Cnt_T_lgc == FALSE) =>False cannot be covered as control goes to if loop.
NOTE 6:- When value of 'TrqOvlSta_LKAPermFault_Cnt_M_u08' is greater than three, then the value of 'TrqOvlSta_LKAPermFault_Cnt_M_lgc' is taken as 'TRUE' as 'INPUT' to avoid overflow issue.

NOTE 7:-In function ""TrqOvlSta_Per1"", (SWARTrgtAngRequest_HwDeg_T_f32<=(CCWPosition_HwDeg_T_f32 + k_SWARLimiter_HwDeg_f32)) = True and (SWARTrgtAngRequest_HwDeg_T_f32 >=(CWPosition_HwDeg_T_f32 - k_SWARLimiter_HwDeg_f32)) = True cannot be covered."
*** |

Test Object 'TrqOvlSta_Per1'

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_ps.tpl
Target Install Path	$(ProgramFiles)\pls\UDE 3.2
Time Unit	Cycles
Timer Enable	false
Timer Prescale	0
Timer Resolution	1.0
UDE Config File	$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg
Workspace File	D:\Synergy_Work_Area\TrqOvlSta_CBD\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

Test Case 1: Metrics Test ✔

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

CPU Cycles:

TS1.1 1117.00 Cycles
TS1.2 1291.00 Cycles
```

Description

Vector Description:

TS1.1"Shrotest Excution Path==>
(LKARequest_Cnt_T_f32 > D_ZERO_ULS_F32)=> TRUE
(HapticRequest_Cnt_T_lgc == TRUE)=>FALSE
(ShiftLeverIsInReverse_Cnt_T_lgc == TRUE)=>FALSE
(SecureVehicleSpeed_Kph_T_f32 >= k_StandstillThresh_Kph_f32)=>FALSE
(TrqOvlSta_HapticState_State_M_enum != Haptic_Inactive)=>TRUE
(HwTrqFilt_HwNm_T_f32 >= k_APAMaxHwTrq_HwNm_f32)=>FALSE
((LKAFault_Cnt_T_lgc == TRUE) && (TrqOvlSta_LKAPermFault_Cnt_M_lgc == FALSE) && (TrqOvlSta_LKAFault_Cnt_M_lgc == FALSE))=>FALSE
(TrqOvlSta_LKAMfgEnableTyH_Cnt_G_lgc ==FALSE)=>FALSE
(TrqOvlSta_APAMfgEnableTyH_Cnt_G_lgc ==TRUE)=>FALSE
Select (TrqOvlSta_APAState_State_M_enum)
Case: Default
Select (TrqOvlSta_LKAState_State_M_enum)
Case: Default
(TrqOvlSta_HapticState_State_M_enum==Haptic_Active)=>TRUE
(TrqOvlSta_APAState_State_M_enum==APA_Active)=>FALSE

"
TS1.2"Longest Excution Path==>
(LKARequest_Cnt_T_f32 > D_ZERO_ULS_F32)=> FALSE
(HapticRequest_Cnt_T_lgc == TRUE)=>TRUE
(TrqOvlSta_Haptictime_Sec_M_f32 >= (k_MaxHapticReqTime_Sec_f32))=>FALSE
(ShiftLeverIsInReverse_Cnt_T_lgc == TRUE)=>TRUE
(TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32 > (k_ShiftLevRevTime_Sec_f32))=>FALSE
(SecureVehicleSpeed_Kph_T_f32 >= k_StandstillThresh_Kph_f32)=>TRUE
(TrqOvlSta_ElapsedStandstillTime_Sec_M_f32 >= k_StandstillTime_Sec_f32)=>FALSE
(TrqOvlSta_HapticState_State_M_enum != Haptic_Inactive)=>FALSE
(Abs_f32_m(HwTrqFilt_HwNm_T_f32) >= k_APAMaxHwTrq_HwNm_f32)=>TRUE
(TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 >= ((k_APAMaxHwTrqTime_Sec_f32)))=>FALSE
((LKAFault_Cnt_T_lgc == TRUE) && (TrqOvlSta_LKAPermFault_Cnt_M_lgc == FALSE) && (TrqOvlSta_LKAFault_Cnt_M_lgc == FALSE))=>TRUE
(TrqOvlSta_LKAPermFault_Cnt_M_u08 >= 3U)=>True && (*Rte_Pim_TrqOvlStaMfgEnable_Cnt_b08() & D_LKAMFGENABLE_CNT_U08) != D_LKAMFGENABLE_CNT_U08)==>True && ((*Rte_Pim_TrqOvlStaMfgEnable_Cnt_b08() & D_APAMFGENABLE_CN   T_U08) != D_APAMFGENABLE_CNT_U08)==>False
(TrqOvlSta_LKAMfgEnableTyH_Cnt_G_lgc ==FALSE)=>FALSE
(TrqOvlSta_APAMfgEnableTyH_Cnt_G_lgc ==TRUE)=>FALSE
Select (TrqOvlSta_APAState_State_M_enum)
Case(APA_AvailCntrl):
(APANonRecoverableFaults_Cnt_T_lgc ==TRUE)=>FALSE
((SecureVehicleSpeed_Kph_T_f32 > k_APAMaxVehSpd_Kph_f32) ||(APARecoverableFaults_Cnt_T_lgc==TRUE)|| ((HapticRequest_Cnt_T_lgc==TRUE)&&(HapticReqDurExceeded_Cnt_T_lgc==TRUE)))=>FALSE
(k_APAIncludeHaptic_Cnt_lgc == FALSE)=>FALSE
Select (TrqOvlSta_HapticState_State_M_enum)
Case(Haptic_Inactive):
((HapticRequest_Cnt_T_lgc==FALSE) && (TrqOvlSta_ReadytoPulse_Cnt_M_lgc==FALSE))=>FALSE
(TrqOvlSta_ReadytoPulse_Cnt_M_lgc== TRUE)=>FALSE
((StandstillTime_Cnt_T_lgc==TRUE) && (APARequest_Cnt_T_lgc ==TRUE)&&(HapticRequest_Cnt_T_lgc==TRUE)&&(ShiftLevRevTime_Cnt_T_lgc==TRUE))=>FALSE
(HapticRequest_Cnt_T_lgc==TRUE)=>TRUE
Select (TrqOvlSta_LKAState_State_M_enum):
DEFAULT

(TrqOvlSta_HapticState_State_M_enum==Haptic_Active)
 =>FALSE
(TrqOvlSta_APAState_State_   M_enum==APA_Active)=>FALSE

"

Test Step 1.1 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	4
TrqOvlSta_ESCState_State_M_enum	4
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	34667.4219
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	5450

Name	Input Value
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0
TrqOvlSta_HapticState_State_M_enum	1
TrqOvlSta_Hapticdur_Cnt_M_u16	5270
TrqOvlSta_Haptictime_Sec_M_f32	27475.5293
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	5.69000006
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0890000015
TrqOvlSta_LKAFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_u08	4
TrqOvlSta_LKAState_State_M_enum	3
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	1
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0
k_APAIncludeHaptic_Cnt_lgc	1
k_APAMaxHwTrqTime_Sec_f32	0.376666665
k_APAMaxHwTrq_HwNm_f32	3.75999999
k_APAMaxVehSpd_Kph_f32	84.5999985
k_ESCMaxVehSpd_Kph_f32	1
k_HapticAmplitude_MtrNm_f32	0.282000005
k_HapticDuration_Sec_f32	0.704999983
k_HapticFreq_Hz_f32	3.25
k_HapticReacttime_Sec_f32	0.751999974
k_LKAMaxVehSpd_Kph_f32	89.3000031
k_LKAMinVehSpd_Kph_f32	82.25
k_MaxHapticReqTime_Sec_f32	0.720000029
k_SWARLimiter_HwDeg_f32	0
k_ShiftLevRevTime_Sec_f32	0.188999996
k_StandstillThresh_Kph_f32	4
k_StandstillTime_Sec_f32	0.188999996
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-1
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-390.01001
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	360.980011
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1

Name	Input Value
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	2.0999999
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	5
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	0
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	1
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	1	1	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	5270	5270 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	5.69000006	5.69000006 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	4	4 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	3	3	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	1	1 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	1	1	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	1	1 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.282000005	0.282000005 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	3.25	3.25 ± 0.0009765625	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached		1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection		1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached		1	✔

Test Step 1.2 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	1	
TrqOvlSta_ESCState_State_M_enum	1	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	
TrqOvlSta_HapticState_State_M_enum	0	
TrqOvlSta_Hapticdur_Cnt_M_u16	44450	
TrqOvlSta_Haptictime_Sec_M_f32	0	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-1.64999998	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.419	
TrqOvlSta_LKAFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_u08	1	
TrqOvlSta_LKAState_State_M_enum	0	
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	1.39999998	
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	
k_APAIncludeHaptic_Cnt_lgc	1	
k_APAMaxHwTrqTime_Sec_f32	0.601666689	
k_APAMaxHwTrq_HwNm_f32	0	

Name	Input Value
k_APAMaxVehSpd_Kph_f32	138.600006
k_ESCMaxVehSpd_Kph_f32	12
k_HapticAmplitude_MtrNm_f32	0.462000012
k_HapticDuration_Sec_f32	1.15499997
k_HapticFreq_Hz_f32	32.3019981
k_HapticReacttime_Sec_f32	1.23199999
k_LKAMaxVehSpd_Kph_f32	146.300003
k_LKAMinVehSpd_Kph_f32	1
k_MaxHapticReqTime_Sec_f32	0.600000024
k_SWARLimiter_HwDeg_f32	0
k_ShiftLevRevTime_Sec_f32	0.308999985
k_StandstillThresh_Kph_f32	0
k_StandstillTime_Sec_f32	0.308999985
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	0
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-388.230011
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	361.01001
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	8.10000038
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	0
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	1
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.200000003
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	0
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	1	1	✔
TrqOvlSta_ESCState_State_M_enum	2	2	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0.00200000009	0.00200000009 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0.00200000009	0.00200000009 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0.00200000009	0.00200000009 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	44450	44450 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0.00200000009	0.00200000009 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	2.43524981	2.43525004 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	2 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	0	0	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.200000003	0.200000003 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	1	1	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	2	2	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.200000003	0.200000003 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.462000012	0.462000012 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	32.3019981	32.3019981 ± 0.0009765625	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Case 2: Boundary Test ✔

Test Case 2: Boundary Test

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

CPU Cycles:

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TS2.1 1136.00 Cycles
TS2.2 1119.00 Cycles
TS2.3 1117.00 Cycles
TS2.4 1129.00 Cycles
TS2.5 1115.00 Cycles
TS2.6 1134.00 Cycles
TS2.7 1112.00 Cycles
TS2.8 1177.00 Cycles
TS2.9 1113.00 Cycles
TS2.10 1161.00 Cycles
TS2.11 1113.00 Cycles
TS2.12 1141.00 Cycles
TS2.13 1120.00 Cycles
TS2.14 1120.00 Cycles
TS2.15 1124.00 Cycles
TS2.16 1121.00 Cycles
TS2.17 1127.00 Cycles
TS2.18 1124.00 Cycles
TS2.19 1131.00 Cycles
TS2.20 1136.00 Cycles
TS2.21 1126.00 Cycles
TS2.22 1154.00 Cycles
TS2.23 1110.00 Cycles
TS2.24 1117.00 Cycles
TS2.25 1146.00 Cycles
TS2.26 1135.00 Cycles
TS2.27 1122.00 Cycles
TS2.28 1126.00 Cycles
TS2.29 1135.00 Cycles
TS2.30 1122.00 Cycles
TS2.31 1161.00 Cycles
TS2.32 1119.00 Cycles
TS2.33 1134.00 Cycles
TS2.34 1142.00 Cycles
TS2.35 1146.00 Cycles
TS2.36 1126.00 Cycles
TS2.37 1122.00 Cycles
TS2.38 1146.00 Cycles
TS2.39 1143.00 Cycles
TS2.40 1122.00 Cycles
TS2.41 1133.00 Cycles
TS2.42 1134.00 Cycles
TS2.43 1142.00 Cycles
TS2.44 1152.00 Cycles
TS2.45 1142.00 Cycles
TS2.46 1139.00 Cycles
TS2.47 1139.00 Cycles
TS2.48 1134.00 Cycles
TS2.49 1139.00 Cycles
TS2.50 1127.00 Cycles
TS2.51 1130.00 Cycles
TS2.52 1132.00 Cycles
TS2.53 1147.00 Cycles
TS2.54 1129.00 Cycles
TS2.55 1148.00 Cycles
TS2.56 1126.00 Cycles
TS2.57 1155.00 Cycles
TS2.58 1118.00 Cycles
TS2.59 1165.00 Cycles
TS2.60 1121.00 Cycles
TS2.61 1154.00 Cycles
TS2.62 1166.00 Cycles
TS2.63 1124.00 Cycles
TS2.64 1147.00 Cycles
TS2.65 1117.00 Cycles
TS2.66 1125.00 Cycles
TS2.67 1141.00 Cycles
TS2.68 1174.00 Cycles
TS2.69 1124.00 Cycles
TS2.70 1145.00 Cycles
TS2.71 1124.00 Cycles
TS2.72 1136.00 Cycles
TS2.73 1129.00 Cycles
TS2.74 1137.00 Cycles
TS2.75 1124.00 Cycles
TS2.76 1121.00 Cycles
TS2.77 1128.00 Cycles
TS2.78 1116.00 Cycles
TS2.79 1138.00 Cycles
TS2.80 1131.00 Cycles
TS2.81 1149.00 Cycles
TS2.82 1138.00 Cycles
TS2.83 1146.00 Cycles
TS2.84 1137.00 Cycles
TS2.85 1119.00 Cycles
TS2.86 1123.00 Cycles
TS2.87 1128.00 Cycles
TS2.88 1153.00 Cycles
TS2.89 1118.00 Cycles
TS2.90 1122.00 Cycles
TS2.91 1138.00 Cycles
TS2.92 1130.00 Cycles
TS2.93 1118.00 Cycles
TS2.94 1140.00 Cycles
TS2.95 1133.00 Cycles
TS2.96 1150.00 Cycles
TS2.97 1136.00 Cycles
TS2.98 1166.00 Cycles
TS2.99 1132.00 Cycles
TS2.100 1143.00 Cycles
TS2.101 1130.00 Cycles
TS2.102 1177.00 Cycles
TS2.103 1125.00 Cycles
TS2.104 1185.00 Cycles
TS2.105 1154.00 Cycles
TS2.106 1135.00 Cycles
TS2.107 1170.00 Cycles
TS2.108 1122.00 Cycles
TS2.109 1133.00 Cycles
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TS2.110 1115.00 Cycles
TS2.111 1136.00 Cycles
TS2.112 1115.00 Cycles
TS2.113 1127.00 Cycles
TS2.114 1127.00 Cycles
TS2.115 1131.00 Cycles
TS2.116 1115.00 Cycles
TS2.117 1145.00 Cycles
TS2.118 1115.00 Cycles
TS2.119 1131.00 Cycles
TS2.120 1128.00 Cycles
TS2.121 1122.00 Cycles
TS2.122 1115.00 Cycles
TS2.123 1138.00 Cycles
TS2.124 1115.00 Cycles
TS2.125 1131.00 Cycles
TS2.126 1124.00 Cycles
TS2.127 1133.00 Cycles
TS2.128 1115.00 Cycles
TS2.129 1140.00 Cycles
TS2.130 1115.00 Cycles
TS2.131 1122.00 Cycles
TS2.132 1128.00 Cycles
TS2.133 1126.00 Cycles
TS2.134 1115.00 Cycles
TS2.135 1143.00 Cycles
TS2.136 1115.00 Cycles
TS2.137 1130.00 Cycles
TS2.138 1115.00 Cycles
TS2.139 1126.00 Cycles
TS2.140 1128.00 Cycles
TS2.141 1131.00 Cycles
TS2.142 1115.00 Cycles
TS2.143 1145.00 Cycles
TS2.144 1115.00 Cycles
TS2.145 1130.00 Cycles
TS2.146 1128.00 Cycles
TS2.147 1122.00 Cycles
TS2.148 1113.00 Cycles
TS2.149 1136.00 Cycles
TS2.150 1125.00 Cycles
TS2.151 1145.00 Cycles
TS2.152 1128.00 Cycles
TS2.153 1140.00 Cycles
TS2.154 1115.00 Cycles
TS2.155 1141.00 Cycles
TS2.156 1115.00 Cycles
TS2.157 1132.00 Cycles
TS2.158 1124.00 Cycles
TS2.159 1133.00 Cycles
TS2.160 1115.00 Cycles
TS2.161 1141.00 Cycles
TS2.162 1115.00 Cycles
TS2.163 1133.00 Cycles
TS2.164 1124.00 Cycles
TS2.165 1128.00 Cycles
TS2.166 1124.00 Cycles
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Description   Vector Description:

TS2.1APANonRecoverableFaults_Cnt_lgc = MIN
TS2.2APANonRecoverableFaults_Cnt_lgc = MAX
TS2.3APARecoverableFaults_Cnt_lgc = MIN
TS2.4APARecoverableFaults_Cnt_lgc= MAX
TS2.5APARequest_Cnt_lgc = MIN
TS2.6APARequest_Cnt_lgc= MAX
TS2.7HapticRequest_Cnt_lgc = MIN
TS2.8HapticRequest_Cnt_lgc= MAX
TS2.9ShiftLeverIsInReverse_Cnt_lgc = MIN
TS2.10ShiftLeverIsInReverse_Cnt_lgc= MAX
TS2.11LKAFault_Cnt_lgc = MIN
TS2.12LKAFault_Cnt_lgc= MAX
TS2.13LKAInhibit_Cnt_lgc = MIN
TS2.14LKAInhibit_Cnt_lgc= MAX
TS2.15LKARequest_Cnt_lgc = MIN
TS2.16LKARequest_Cnt_lgc= MAX
TS2.17HwTorque_HwNm_f32 = MIN
TS2.18HwTorque_HwNm_f32 = MAX
TS2.19HwTorque_HwNm_f32 = ZERO
TS2.20HwTorque_HwNm_f32 = POS
TS2.21HwTorque_HwNm_f32 = NEG
TS2.22TrqOvlSta_HapticState_State_M_enum = Haptic_Inactive
TS2.23TrqOvlSta_HapticState_State_M_enum = Haptic_Active
TS2.24TrqOvlSta_HapticState_State_M_enum = Haptic_Waiting
TS2.25TrqOvlSta_LKAState_State_M_enum = LKA_Inactive
TS2.26TrqOvlSta_LKAState_State_M_enum = LKA_Active
TS2.27TrqOvlSta_LKAState_State_M_enum = LKA_TemporarilyLimited
TS2.28TrqOvlSta_LKAState_State_M_enum = LKA_PermanentlyFailed
TS2.29TrqOvlSta_LKAState_State_M_enum = LKA_ManufacturingDisable
TS2.30TrqOvlSta_APAState_State_M_enum = APA_TempInhibit
TS2.31TrqOvlSta_APAState_State_M_enum = APA_AvailCntrl
TS2.32TrqOvlSta_APAState_State_M_enum= APA_Active
TS2.33TrqOvlSta_APAState_State_M_enum = APA_PermanentlyFailed
TS2.34TrqOvlSta_APAState_State_M_enum = APA_ManufacturingDisable
TS2.35TrqOvlSta_Haptictime_Sec_M_f32 = MIN
TS2.36TrqOvlSta_Haptictime_Sec_M_f32= MAX
TS2.37TrqOvlSta_Haptictime_Sec_M_f32 = POS
TS2.38TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32 = MIN
TS2.39TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32= MAX
TS2.40TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32
TS2.41TrqOvlSta_ElapsedStandstillTime_Sec_M_f32 = MIN
TS2.42TrqOvlSta_ElapsedStandstillTime_Sec_M_f32= MAX
TS2.43TrqOvlSta_ElapsedStandstillTime_Sec_M_f32 = POS
TS2.44TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 = MIN
TS2.45TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32= MAX
TS2.46TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 = POS
TS2.47TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV = MIN
TS2.48TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV= MAX
TS2.49TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV = ZERO
TS2.50TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV = POS
TS2.51TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV = NEG
TS2.52TrqOvlSta_HwTorqueSV_HwNm_M_Str.K = MIN
TS2.53TrqOvlSta_HwTorqueSV_HwNm_M_Str.K= MAX
TS2.54TrqOvlSta_HwTorqueSV_HwNm_M_Str.K = POS
TS2.55TrqOvlSta_LKAPermFault_Cnt_M_lgc = MIN
TS2.56TrqOvlSta_LKAPermFault_Cnt_M_lgc= MAX
TS2.57TrqOvlSta_LKAFault_Cnt_M_lgc = MIN
TS2.58TrqOvlSta_LKAFault_Cnt_M_lgc= MAX
TS2.59TrqOvlSta_LKAPermFault_Cnt_M_u08 = MIN
TS2.60TrqOvlSta_LKAPermFault_Cnt_M_u08= MAX
TS2.61TrqOvlSta_LKAPermFault_Cnt_M_u08 = POS
TS2.62TrqOvlSta_ReadytoPulse_Cnt_M_lgc = MIN
TS2.63TrqOvlSta_ReadytoPulse_Cnt_M_lgc= MAX
TS2.64TrqOvlSta_Hapticdur_Cnt_M_u16 = MIN
TS2.65TrqOvlSta_Hapticdur_Cnt_M_u16= MAX
TS2.66TrqOvlSta_Hapticdur_Cnt_M_u16 = POS
TS2.67k_MaxHapticReqTime_Sec_f32 = MIN
TS2.68k_MaxHapticReqTime_Sec_f32= MAX
TS2.69k_MaxHapticReqTime_Sec_f32 = POS
TS2.70k_ShiftLevRevTime_Sec_f32 = MIN
TS2.71k_ShiftLevRevTime_Sec_f32= MAX
TS2.72k_ShiftLevRevTime_Sec_f32 = POS
TS2.73k_StandstillThresh_Kph_f32 = MIN
TS2.74k_StandstillThresh_Kph_f32= MAX
TS2.75k_StandstillThresh_Kph_f32 = POS
TS2.76k_StandstillTime_Sec_f32 = MIN
TS2.77k_StandstillTime_Sec_f32= MAX
TS2.78k_StandstillTime_Sec_f32 = POS
TS2.79k_APAMaxHwTrq_HwNm_f32 = MIN
TS2.80k_APAMaxHwTrq_HwNm_f32= MAX
TS2.81k_APAMaxHwTrq_HwNm_f32 = POS
TS2.82k_APAMaxHwTrqTime_Sec_f32 = MIN
TS2.83k_APAMaxHwTrqTime_Sec_f32= MAX
TS2.84k_APAMaxHwTrqTime_Sec_f32 = POS
TS2.85k_APAMaxVehSpd_Kph_f32 = MIN
TS2.86k_APAMaxVehSpd_Kph_f32= MAX
TS2.87k_APAMaxVehSpd_Kph_f32 = POS
TS2.88k_HapticDuration_Sec_f32 = MIN
TS2.89k_HapticDuration_Sec_f32= MAX
TS2.90k_HapticDuration_Sec_f32 = POS
TS2.91k_HapticReacttime_Sec_f32 = MIN
TS2.92k_HapticReacttime_Sec_f32= MAX
TS2.93k_HapticReacttime_Sec_f32 = POS
TS2.94k_LKAMinVehSpd_Kph_f32 = MIN

```
TS2.95k_LKAMinVehSpd_Kph_f32= MAX
TS2.96k_LKAMinVehSpd_Kph_f32 = POS
TS2.97k_LKAMaxVehSpd_Kph_f32 = MIN
TS2.98k_LKAMaxVehSpd_Kph_f32= MAX
TS2.99k_LKAMaxVehSpd_Kph_f32 = POS
TS2.100k_HapticAmplitude_MtrNm_f32 = MIN
TS2.101k_HapticAmplitude_MtrNm_f32 = MAX
TS2.102k_HapticAmplitude_MtrNm_f32 = POS
TS2.103k_APAIncludeHaptic_Cnt_lgc = MIN
TS2.104k_APAIncludeHaptic_Cnt_lgc= MAX
TS2.105k_HapticFreq_Hz_f32=MIN
TS2.106k_HapticFreq_Hz_f32=MAX
TS2.107k_HapticFreq_Hz_f32=POS
TS2.108MaxSecureVehicleSpeed_Kph_f32=Min
TS2.109MaxSecureVehicleSpeed_Kph_f32=Max
TS2.110MaxSecureVehicleSpeed_Kph_f32=Pos
TS2.111MinSecureVehicleSpeed_Kph_f32=Min
TS2.112MinSecureVehicleSpeed_Kph_f32=Max
TS2.113MinSecureVehicleSpeed_Kph_f32=Pos
TS2.114ESCRequest_Cnt_lgc=FALSE
TS2.115ESCRequest_Cnt_lgc=TRUE
TS2.116ESCFault_Cnt_lgc=FALSE
TS2.117ESCFault_Cnt_lgc=TRUE
TS2.118ESCIsLimited_Cnt_lgc=FALSE
TS2.119ESCIsLimited_Cnt_lgc=TRUE
TS2.120CWFound_Cnt_lgc=FALSE
TS2.121CWFound_Cnt_lgc=TRUE
TS2.122CCWFound_Cnt_lgc=FALSE
TS2.123CCWFound_Cnt_lgc=TRUE
TS2.124PosTrajHwAngle_HwDeg_f32=Min
TS2.125PosTrajHwAngle_HwDeg_f32=Max
TS2.126PosTrajHwAngle_HwDeg_f32=Pos
TS2.127SWARTrgtAngRequest_HwDeg_f32=Min
TS2.128SWARTrgtAngRequest_HwDeg_f32=Max
TS2.129SWARTrgtAngRequest_HwDeg_f32=Zero
TS2.130SWARTrgtAngRequest_HwDeg_f32=Pos
TS2.131SWARTrgtAngRequest_HwDeg_f32=Neg
TS2.132PosTrajEnable_Cnt_lgc=FALSE
TS2.133PosTrajEnable_Cnt_lgc=TRUE
TS2.134CWPosition_HwDeg_f32=Min
TS2.135CWPosition_HwDeg_f32=Max
TS2.136CWPosition_HwDeg_f32=Pos
TS2.137CCWPosition_HwDeg_f32=Min
TS2.138CCWPosition_HwDeg_f32=Max
TS2.139CCWPosition_HwDeg_f32=Neg
TS2.140GMOSH_APAMfgEnable_Cnt_lgc=FALSE
TS2.141GMOSH_APAMfgEnable_Cnt_lgc=TRUE
TS2.142GMOSH_LKAMfgEnable_Cnt_lgc=FALSE
TS2.143GMOSH_LKAMfgEnable_Cnt_lgc=TRUE
TS2.144GMOSH_ESCMfgEnable_Cnt_lgc=FALSE
TS2.145GMOSH_ESCMfgEnable_Cnt_lgc=TRUE
TS2.146TrqOvlSta_ESCState_State_M_enum=ESC_Inactive
TS2.147TrqOvlSta_ESCState_State_M_enum=ESC_Active
TS2.148TrqOvlSta_ESCState_State_M_enum=ESC_TemporarilyLimited
TS2.149TrqOvlSta_ESCState_State_M_enum=ESC_PermanentlyFailed
TS2.150TrqOvlSta_ESCState_State_M_enum=ESC_ManufacturingDisable
TS2.151k_ESCMaxVehSpd_Kph_f32=Min
TS2.152k_ESCMaxVehSpd_Kph_f32=Max
TS2.153k_ESCMaxVehSpd_Kph_f32=Pos
TS2.154k_SWARLimiter_HwDeg_f32=Min
TS2.155k_SWARLimiter_HwDeg_f32=Max
TS2.156k_SWARLimiter_HwDeg_f32=Pos
TS2.157TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32=Min
TS2.158TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32=Max
TS2.159TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32=Pos
TS2.160Rte_Call_FaultInjection_SCom_FltInjection=Min
TS2.161Rte_Call_FaultInjection_SCom_FltInjection=Max
TS2.162Rte_Call_FaultInjection_SCom_FltInjection=Zero
TS2.163Rte_Call_FaultInjection_SCom_FltInjection=Pos
TS2.164Rte_Call_FaultInjection_SCom_FltInjection=Neg
TS2.165All MIN
TS2.166ALL MAX
```

Test Step 2.1 (Repeat Count = 1)   ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	1
TrqOvlSta_ESCState_State_M_enum	0
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0.460000008
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	45
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0.850000024
TrqOvlSta_HapticState_State_M_enum	0
TrqOvlSta_Hapticdur_Cnt_M_u16	15
TrqOvlSta_Haptictime_Sec_M_f32	75.6800003
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-9.85999966
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.00200000009
TrqOvlSta_LKAFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	0

Name	Input Value
TrqOvlSta_LKAState_State_M_enum	0
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	1.20000005
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0
k_APAIncludeHaptic_Cnt_lgc	1
k_APAMaxHwTrqTime_Sec_f32	0.109999999
k_APAMaxHwTrq_HwNm_f32	0.100000001
k_APAMaxVehSpd_Kph_f32	0.200000003
k_ESCMaxVehSpd_Kph_f32	10.1000004
k_HapticAmplitude_MtrNm_f32	0
k_HapticDuration_Sec_f32	0.50999999
k_HapticFreq_Hz_f32	3
k_HapticReacttime_Sec_f32	0.159999996
k_LKAMaxVehSpd_Kph_f32	0
k_LKAMinVehSpd_Kph_f32	0.400000006
k_MaxHapticReqTime_Sec_f32	0.0149999997
k_SWARLimiter_HwDeg_f32	2.20000005
k_ShiftLevRevTime_Sec_f32	0.00100000005
k_StandstillThresh_Kph_f32	0
k_StandstillTime_Sec_f32	0.00100000005
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-8
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-1140.10999
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	360
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	0.209999993
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	25.2999992

Name	Input Value
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	35.0999985
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.100000001
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-32.5
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✓
TrqOvlSta_ESCState_State_M_enum	4	4	✓
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0.460000008	0.460000008 ± 1	✓
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	45	45 ± 1	✓
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✓
TrqOvlSta_HapticState_State_M_enum	0	0	✓
TrqOvlSta_Hapticdur_Cnt_M_u16	15	15 ± 1	✓
TrqOvlSta_Haptictime_Sec_M_f32	75.6800003	75.6800003 ± 1	✓
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-9.83985996	-9.83985996 ± 0.000009	✓
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✓
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✓
TrqOvlSta_LKAPermFault_Cnt_M_u08	0	0 ± 1	✓
TrqOvlSta_LKAState_State_M_enum	4	4	✓
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	1.20000005	1.20000005 ± 0.0009765625	✓
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✓
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	1	1 ± 1	✓
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✓
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✓
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✓
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	✓
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✓
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	1.20000005	1.20000005 ± 0.0009765625	✓
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0	0 ± 0.0009765625	✓
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✓
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	3	3 ± 0.0009765625	✓

Test Step Call Trace				✓
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✓
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✓
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✓

Test Step 2.2 (Repeat Count = 1)	✓
Name	**Input Value**
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	2
TrqOvlSta_ESCState_State_M_enum	1
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	7.11999989
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	132.839996
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	8
TrqOvlSta_HapticState_State_M_enum	2
TrqOvlSta_Hapticdur_Cnt_M_u16	240
TrqOvlSta_Haptictime_Sec_M_f32	150
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-9.25
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.00419999985
TrqOvlSta_LKAFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_u08	2
TrqOvlSta_LKAState_State_M_enum	1
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	2.29999995
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
k_APAIncludeHaptic_Cnt_lgc	0
k_APAMaxHwTrqTime_Sec_f32	0.119999997
k_APAMaxHwTrq_HwNm_f32	0.0799999982
k_APAMaxVehSpd_Kph_f32	1.79999995
k_ESCMaxVehSpd_Kph_f32	12.5
k_HapticAmplitude_MtrNm_f32	0.00600000005
k_HapticDuration_Sec_f32	0.0149999997
k_HapticFreq_Hz_f32	3.53999996
k_HapticReacttime_Sec_f32	0.0160000008
k_LKAMaxVehSpd_Kph_f32	1.89999998
k_LKAMinVehSpd_Kph_f32	1.75
k_MaxHapticReqTime_Sec_f32	0.0299999993

Name	Input Value
k_SWARLimiter_HwDeg_f32	3.5999999
k_ShiftLevRevTime_Sec_f32	0.00499999989
k_StandstillThresh_Kph_f32	0.0399999991
k_StandstillTime_Sec_f32	0.00499999989
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-7.8499999
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-1130.01001
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	364.940002
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	0.560000002
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	30.2000008
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	40
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.109999999
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-30.6000004
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	3	3	✔
TrqOvlSta_ESCState_State_M_enum	3	3	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	2	2	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	240	240 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-9.25	-9.25 ± 0.000009	✔

Name	Actual Value	Expected Value	Result
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	2 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	3	3	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.109999999	0.109999999 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	2	2	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.109999999	0.109999999 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.00600000005	0.00600000005 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	3.53999996	3.53999996 ± 0.0009765625	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.3 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	1	
TrqOvlSta_ESCState_State_M_enum	2	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	85	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	220.679993	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	68.3000031	
TrqOvlSta_HapticState_State_M_enum	1	
TrqOvlSta_Hapticdur_Cnt_M_u16	530	
TrqOvlSta_Haptictime_Sec_M_f32	860.26001	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-8.64000034	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.00639999984	
TrqOvlSta_LKAFault_Cnt_M_lgc	1	
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	
TrqOvlSta_LKAPermFault_Cnt_M_u08	1	
TrqOvlSta_LKAState_State_M_enum	2	
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	3.4000001	
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	
k_APAIncludeHaptic_Cnt_lgc	0	
k_APAMaxHwTrqTime_Sec_f32	0.129999995	
k_APAMaxHwTrq_HwNm_f32	0.159999996	
k_APAMaxVehSpd_Kph_f32	3.5999999	
k_ESCMaxVehSpd_Kph_f32	14.8999996	
k_HapticAmplitude_MtrNm_f32	0.0120000001	
k_HapticDuration_Sec_f32	0.0299999993	
k_HapticFreq_Hz_f32	4	
k_HapticReacttime_Sec_f32	0.0320000015	
k_LKAMaxVehSpd_Kph_f32	3.79999995	
k_LKAMinVehSpd_Kph_f32	3.5	
k_MaxHapticReqTime_Sec_f32	0.0450000018	
k_SWARLimiter_HwDeg_f32	5	
k_ShiftLevRevTime_Sec_f32	0.00899999961	
k_StandstillThresh_Kph_f32	0.0799999982	
k_StandstillTime_Sec_f32	0.00899999961	
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-7.69999981	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc	

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-1119.91003
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	369.880005
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	0.910000026
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	35.0999985
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	44.9000015
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.119999997
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-28.7000008
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	1	1	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	530	530 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	860.26001	860.26001 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-8.64000034	-8.64000034 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	1	1 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	4	4	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	3.4000001	3.4000001 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	1	1	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	3.4000001	3.4000001 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.0120000001	0.0120000001 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	1	1 ± 1	✔

Name	Actual Value	Expected Value	Result
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	4	4 ± 0.0009765625	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.4 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	1	
TrqOvlSta_ESCState_State_M_enum	3	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	175.460007	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	308.519989	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	225.639999	
TrqOvlSta_HapticState_State_M_enum	2	
TrqOvlSta_Hapticdur_Cnt_M_u16	684	
TrqOvlSta_Haptictime_Sec_M_f32	1345	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-8.02999973	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.00860000029	
TrqOvlSta_LKAFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	
TrqOvlSta_LKAPermFault_Cnt_M_u08	3	
TrqOvlSta_LKAState_State_M_enum	3	
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	4.5	
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	
k_APAIncludeHaptic_Cnt_lgc	1	
k_APAMaxHwTrqTime_Sec_f32	0.140000001	
k_APAMaxHwTrq_HwNm_f32	0.239999995	
k_APAMaxVehSpd_Kph_f32	5.4000001	
k_ESCMaxVehSpd_Kph_f32	17.2999992	
k_HapticAmplitude_MtrNm_f32	0.0179999992	
k_HapticDuration_Sec_f32	0.0450000018	
k_HapticFreq_Hz_f32	4.55999994	
k_HapticReacttime_Sec_f32	0.0480000004	
k_LKAMaxVehSpd_Kph_f32	5.69999981	
k_LKAMinVehSpd_Kph_f32	5.25	
k_MaxHapticReqTime_Sec_f32	0.0599999987	
k_SWARLimiter_HwDeg_f32	6.4000001	
k_ShiftLevRevTime_Sec_f32	0.0130000003	
k_StandstillThresh_Kph_f32	0.119999997	
k_StandstillTime_Sec_f32	0.0130000003	
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-7.55000019	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-1109.81006
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	374.820007
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	1.25999999
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	40
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	49.7999992
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.129999995
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-26.7999992
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	0	0	✔
TrqOvlSta_ESCState_State_M_enum	3	3	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	308.519989	308.519989 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	684	684 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-8.02999973	-8.02999973 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	3	3 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	3	3	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.129999995	0.129999995 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.129999995	0.129999995 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.0179999992	0.0179999992 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	4.55999994	4.55999994 ± 0.0009765625	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.5 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta

Name	Input Value
TrqOvlSta_APAState_State_M_enum	1
TrqOvlSta_ESCState_State_M_enum	4
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	450.359985
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	396.359985
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	540
TrqOvlSta_HapticState_State_M_enum	1
TrqOvlSta_Hapticdur_Cnt_M_u16	960
TrqOvlSta_Haptictime_Sec_M_f32	1830.43005
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-7.42000008
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0108000003
TrqOvlSta_LKAFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_u08	4
TrqOvlSta_LKAState_State_M_enum	4
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	5.5999999
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0
k_APAIncludeHaptic_Cnt_lgc	0
k_APAMaxHwTrqTime_Sec_f32	0.150000006
k_APAMaxHwTrq_HwNm_f32	0.319999993
k_APAMaxVehSpd_Kph_f32	7.19999981
k_ESCMaxVehSpd_Kph_f32	19.7000008
k_HapticAmplitude_MtrNm_f32	0.0240000002
k_HapticDuration_Sec_f32	0.0599999987
k_HapticFreq_Hz_f32	5.05999994
k_HapticReacttime_Sec_f32	0.064000003
k_LKAMaxVehSpd_Kph_f32	7.5999999
k_LKAMinVehSpd_Kph_f32	7
k_MaxHapticReqTime_Sec_f32	0.075000003
k_SWARLimiter_HwDeg_f32	7.80000019
k_ShiftLevRevTime_Sec_f32	0.0170000009
k_StandstillThresh_Kph_f32	0.159999996
k_StandstillTime_Sec_f32	0.0170000009
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-7.4000001
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-1099.70996
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	0

Name	Input Value
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	379.76001
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	1.61000001
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	0.5
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	54.7000008
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.140000001
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-24.8999996
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	396.359985	396.359985 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	1	1	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	960	960 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-7.42000008	-7.42000008 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	4	4 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	4	4	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	5.5999999	5.5999999 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	1	1	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	5.5999999	5.5999999 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.0240000002	0.0240000002 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	5.05999994	5.05999994 ± 0.0009765625	✔

Test Step Call Trace					✔
Actual Function		**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached		1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection		1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached		1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.6 (Repeat Count = 1)	✔
Name	**Input Value**
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	4
TrqOvlSta_ESCState_State_M_enum	0
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	860.340027
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	484.200012
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	930.719971
TrqOvlSta_HapticState_State_M_enum	2
TrqOvlSta_Hapticdur_Cnt_M_u16	1050
TrqOvlSta_Haptictime_Sec_M_f32	2315.65991
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-6.80999994
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0130000003
TrqOvlSta_LKAFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	2
TrqOvlSta_LKAState_State_M_enum	3
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	6.69999981

Name	Input Value
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0
k_APAIncludeHaptic_Cnt_lgc	0
k_APAMaxHwTrqTime_Sec_f32	0.159999996
k_APAMaxHwTrq_HwNm_f32	0.400000006
k_APAMaxVehSpd_Kph_f32	9
k_ESCMaxVehSpd_Kph_f32	22.1000004
k_HapticAmplitude_MtrNm_f32	0.0299999993
k_HapticDuration_Sec_f32	0.075000003
k_HapticFreq_Hz_f32	5.57399988
k_HapticReacttime_Sec_f32	0.0799999982
k_LKAMaxVehSpd_Kph_f32	9.5
k_LKAMinVehSpd_Kph_f32	8.75
k_MaxHapticReqTime_Sec_f32	0.0900000036
k_SWARLimiter_HwDeg_f32	9.19999981
k_ShiftLevRevTime_Sec_f32	0.0209999997
k_StandstillThresh_Kph_f32	0.200000003
k_StandstillTime_Sec_f32	0.0209999997
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-7.25
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-1089.60999
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	384.700012
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	1.96000004
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	49.7999992
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	59.5999985
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1

Name	Input Value		
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.150000006		
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-23		
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0		

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✔
TrqOvlSta_ESCState_State_M_enum	3	3	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	2	2	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	1050	1050 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	2315.65991	2315.65991 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-6.80999994	-6.80999994 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	3	3 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	3	3	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.150000006	0.150000006 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	2	2	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.150000006	0.150000006 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.0299999993	0.0299999993 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	5.57399988	5.57399988 ± 0.0009765625	✔

Test Step Call Trace					✔
Actual Function		**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached		1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection		1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached		1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.7 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	0	
TrqOvlSta_ESCState_State_M_enum	1	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	1750	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	572.039978	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	1800.45996	
TrqOvlSta_HapticState_State_M_enum	1	
TrqOvlSta_Hapticdur_Cnt_M_u16	3575	
TrqOvlSta_Haptictime_Sec_M_f32	2800.93994	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-6.19999981	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0152000003	
TrqOvlSta_LKAFault_Cnt_M_lgc	1	
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	
TrqOvlSta_LKAPermFault_Cnt_M_u08	3	
TrqOvlSta_LKAState_State_M_enum	2	
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	7.80000019	
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	
k_APAIncludeHaptic_Cnt_lgc	0	
k_APAMaxHwTrqTime_Sec_f32	0.170000002	
k_APAMaxHwTrq_HwNm_f32	0.479999989	
k_APAMaxVehSpd_Kph_f32	10.8000002	
k_ESCMaxVehSpd_Kph_f32	24.5	
k_HapticAmplitude_MtrNm_f32	0.0359999985	
k_HapticDuration_Sec_f32	0.0900000036	
k_HapticFreq_Hz_f32	6.08799982	
k_HapticReacttime_Sec_f32	0.0960000008	
k_LKAMaxVehSpd_Kph_f32	11.3999996	
k_LKAMinVehSpd_Kph_f32	10.5	
k_MaxHapticReqTime_Sec_f32	0.104999997	
k_SWARLimiter_HwDeg_f32	10.6000004	
k_ShiftLevRevTime_Sec_f32	0.0250000004	

Name	Input Value
k_StandstillThresh_Kph_f32	0.239999995
k_StandstillTime_Sec_f32	0.0250000004
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-7.0999999
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-1079.51001
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	389.640015
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	2.30999994
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	44.9000015
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	64.5
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.159999996
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-21.1000004
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	1	1	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	3575	3575 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-6.19999981	-6.19999981 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔

Name	Actual Value	Expected Value	Result
TrqOvlSta_LKAPermFault_Cnt_M_u08	3	3 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	4	4	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	7.80000019	7.80000019 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	1	1	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	7.80000019	7.80000019 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.0359999985	0.0359999985 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	6.08799982	6.08799982 ± 0.0009765625	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.8 (Repeat Count = 1)	✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	2
TrqOvlSta_ESCState_State_M_enum	2
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	2639.65991
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	659.880005
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	2670.19995
TrqOvlSta_HapticState_State_M_enum	0
TrqOvlSta_Hapticdur_Cnt_M_u16	6100
TrqOvlSta_Haptictime_Sec_M_f32	3285.03003
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-5.59000015
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0174000002
TrqOvlSta_LKAFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	2
TrqOvlSta_LKAState_State_M_enum	1
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	8.89999962
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0
k_APAIncludeHaptic_Cnt_lgc	1
k_APAMaxHwTrqTime_Sec_f32	0.180000007
k_APAMaxHwTrq_HwNm_f32	0.560000002
k_APAMaxVehSpd_Kph_f32	12.6000004
k_ESCMaxVehSpd_Kph_f32	26.8999996
k_HapticAmplitude_MtrNm_f32	0.0419999994
k_HapticDuration_Sec_f32	0.104999997
k_HapticFreq_Hz_f32	6.60200024
k_HapticReacttime_Sec_f32	0.112000003
k_LKAMaxVehSpd_Kph_f32	13.3000002
k_LKAMinVehSpd_Kph_f32	12.25
k_MaxHapticReqTime_Sec_f32	0.119999997
k_SWARLimiter_HwDeg_f32	12
k_ShiftLevRevTime_Sec_f32	0.0289999992
k_StandstillThresh_Kph_f32	0.280000001
k_StandstillTime_Sec_f32	0.0289999992
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-6.94999981
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-1069.41003
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	394.579987
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	2.66000009
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	49.7999992
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	69.4000015
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.170000002
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-19.2000008
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	0	0	✔
TrqOvlSta_ESCState_State_M_enum	3	3	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	2639.65991	2639.65991 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	659.880005	659.880005 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	6100	6100 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	3285.03003	3285.03003 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-5.44645023	-5.44645023 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	3	3 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	3	3	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.170000002	0.170000002 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.170000002	0.170000002 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.0419999994	0.0419999994 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	6.60200024	6.60200024 ± 0.0009765625	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.9 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	4
TrqOvlSta_ESCState_State_M_enum	3
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	3529.32007
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	747.719971
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	3539.93994
TrqOvlSta_HapticState_State_M_enum	1
TrqOvlSta_Hapticdur_Cnt_M_u16	8625
TrqOvlSta_Haptictime_Sec_M_f32	3770.09009
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-4.98000002
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0196000002
TrqOvlSta_LKAFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_u08	1
TrqOvlSta_LKAState_State_M_enum	2
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	10
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
k_APAIncludeHaptic_Cnt_lgc	1
k_APAMaxHwTrqTime_Sec_f32	0.189999998
k_APAMaxHwTrq_HwNm_f32	0.639999986
k_APAMaxVehSpd_Kph_f32	14.3999996
k_ESCMaxVehSpd_Kph_f32	29.2999992
k_HapticAmplitude_MtrNm_f32	0.0480000004
k_HapticDuration_Sec_f32	0.119999997
k_HapticFreq_Hz_f32	7.11600018
k_HapticReacttime_Sec_f32	0.128000006
k_LKAMaxVehSpd_Kph_f32	15.1999998
k_LKAMinVehSpd_Kph_f32	14
k_MaxHapticReqTime_Sec_f32	0.135000005
k_SWARLimiter_HwDeg_f32	13.3999996
k_ShiftLevRevTime_Sec_f32	0.0329999998
k_StandstillThresh_Kph_f32	0.319999993
k_StandstillTime_Sec_f32	0.0329999998
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-6.80000019
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-1059.31006
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	399.519989
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	3.00999999
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	64.5
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	74.3000031
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.180000007
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-17.2999992
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	1	1	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	8625	8625 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-4.98000002	-4.98000002 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	1	1 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	4	4	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	10	10 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	1	1	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	10	10 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.0480000004	0.0480000004 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	7.11600018	7.11600018 ± 0.0009765625	✔

Test Step Call Trace   ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.10 (Repeat Count = 1)   ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	0
TrqOvlSta_ESCState_State_M_enum	4

Name	Input Value
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	4418.97998
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	835.559998
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	4409.68018
TrqOvlSta_HapticState_State_M_enum	0
TrqOvlSta_Hapticdur_Cnt_M_u16	11150
TrqOvlSta_Haptictime_Sec_M_f32	425564
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-4.36999989
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0218000002
TrqOvlSta_LKAFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	2
TrqOvlSta_LKAState_State_M_enum	1
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	11.1000004
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0
k_APAIncludeHaptic_Cnt_lgc	1
k_APAMaxHwTrqTime_Sec_f32	0.200000003
k_APAMaxHwTrq_HwNm_f32	0.720000029
k_APAMaxVehSpd_Kph_f32	16.2000008
k_ESCMaxVehSpd_Kph_f32	31.7000008
k_HapticAmplitude_MtrNm_f32	0.0540000014
k_HapticDuration_Sec_f32	0.135000005
k_HapticFreq_Hz_f32	7.63000011
k_HapticReacttime_Sec_f32	0.143999994
k_LKAMaxVehSpd_Kph_f32	17.1000004
k_LKAMinVehSpd_Kph_f32	15.75
k_MaxHapticReqTime_Sec_f32	0.150000006
k_SWARLimiter_HwDeg_f32	14.8000002
k_ShiftLevRevTime_Sec_f32	0.0370000005
k_StandstillThresh_Kph_f32	0.360000014
k_StandstillTime_Sec_f32	0.0370000005
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-6.6500001
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-1049.20996
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	404.459991
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1

Name	Input Value
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	3.3599999
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	0.5
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	79.1999969
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.189999998
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-15.3999996
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	0	0	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	4418.97998	4418.97998 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	835.559998	835.559998 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	11150	11150 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	425564	425564 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-4.20148611	-4.20148611 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	2 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	0	0	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.189999998	0.189999998 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.189999998	0.189999998 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.0540000014	0.0540000014 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	7.63000011	7.63000011 ± 0.0009765625	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.11 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	1	
TrqOvlSta_ESCState_State_M_enum	0	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	5308.64014	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	923.400024	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	5279.41992	
TrqOvlSta_HapticState_State_M_enum	2	
TrqOvlSta_Hapticdur_Cnt_M_u16	13675	
TrqOvlSta_Haptictime_Sec_M_f32	4740.43018	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-3.75999999	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0240000002	
TrqOvlSta_LKAFault_Cnt_M_lgc	1	
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	
TrqOvlSta_LKAPermFault_Cnt_M_u08	0	
TrqOvlSta_LKAState_State_M_enum	0	
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	12.1999998	
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	
k_APAIncludeHaptic_Cnt_lgc	0	

Name	Input Value
k_APAMaxHwTrqTime_Sec_f32	0.209999993
k_APAMaxHwTrq_HwNm_f32	0.800000012
k_APAMaxVehSpd_Kph_f32	18
k_ESCMaxVehSpd_Kph_f32	34.0999985
k_HapticAmplitude_MtrNm_f32	0.0599999987
k_HapticDuration_Sec_f32	0.150000006
k_HapticFreq_Hz_f32	8.14400005
k_HapticReacttime_Sec_f32	0.159999996
k_LKAMaxVehSpd_Kph_f32	19
k_LKAMinVehSpd_Kph_f32	17.5
k_MaxHapticReqTime_Sec_f32	0.165000007
k_SWARLimiter_HwDeg_f32	16.2000008
k_ShiftLevRevTime_Sec_f32	0.0410000011
k_StandstillThresh_Kph_f32	0.400000006
k_StandstillTime_Sec_f32	0.0410000011
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-6.5
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-1039.10999
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	409.399994
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	3.71000004
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	74.3000031
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	84.0999985
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.100000001
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-13.5

Name	Input Value		
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0		

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	2	2	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	13675	13675 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-3.75999999	-3.75999999 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	0	0 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	4	4	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	12.1999998	12.1999998 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	2	2	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	12.1999998	12.1999998 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.0599999987	0.0599999987 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	8.14400005	8.14400005 ± 0.0009765625	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached		1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection		1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached		1	✔

Test Step 2.12 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	0	
TrqOvlSta_ESCState_State_M_enum	1	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	6198.2998	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	1011.23999	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	6149.16016	
TrqOvlSta_HapticState_State_M_enum	1	
TrqOvlSta_Hapticdur_Cnt_M_u16	16200	
TrqOvlSta_Haptictime_Sec_M_f32	5225.33984	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-3.1500001	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0262000002	
TrqOvlSta_LKAFault_Cnt_M_lgc	1	
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	
TrqOvlSta_LKAState_State_M_enum	0	
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	13.3000002	
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	
k_APAIncludeHaptic_Cnt_lgc	0	
k_APAMaxHwTrqTime_Sec_f32	0.219999999	
k_APAMaxHwTrq_HwNm_f32	0.879999995	
k_APAMaxVehSpd_Kph_f32	19.7999992	
k_ESCMaxVehSpd_Kph_f32	36.5	
k_HapticAmplitude_MtrNm_f32	0.0659999996	
k_HapticDuration_Sec_f32	0.165000007	
k_HapticFreq_Hz_f32	8.65799999	
k_HapticReacttime_Sec_f32	0.175999999	
k_LKAMaxVehSpd_Kph_f32	20.8999996	
k_LKAMinVehSpd_Kph_f32	19.25	
k_MaxHapticReqTime_Sec_f32	0.180000007	
k_SWARLimiter_HwDeg_f32	17.6000004	
k_ShiftLevRevTime_Sec_f32	0.0450000018	
k_StandstillThresh_Kph_f32	0.439999998	
k_StandstillTime_Sec_f32	0.0450000018	

Name	Input Value
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-6.3499999
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-1029.01001
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	414.339996
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	4.05999994
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	79.1999969
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	89
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.109999999
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-11.6000004
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	0	0	✔
TrqOvlSta_ESCState_State_M_enum	3	3	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	1011.23999	1011.23999 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	1	1	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	16200	16200 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-3.1500001	-3.1500001 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	2 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	0	0	✔

Name	Actual Value	Expected Value	Result
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.109999999	0.109999999 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	1	1	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.109999999	0.109999999 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.0659999996	0.0659999996 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	8.65799999	8.65799999 ± 0.0009765625	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.13 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	0
TrqOvlSta_ESCState_State_M_enum	2
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	7087.95996
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	1099.07996
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	7018.8999
TrqOvlSta_HapticState_State_M_enum	1
TrqOvlSta_Hapticdur_Cnt_M_u16	18725
TrqOvlSta_Haptictime_Sec_M_f32	5710.16992
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-2.53999996
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0284000002
TrqOvlSta_LKAFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	1
TrqOvlSta_LKAState_State_M_enum	2
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	14.3999996
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0
k_APAIncludeHaptic_Cnt_lgc	1
k_APAMaxHwTrqTime_Sec_f32	0.230000004
k_APAMaxHwTrq_HwNm_f32	0.959999979
k_APAMaxVehSpd_Kph_f32	21.6000004
k_ESCMaxVehSpd_Kph_f32	38.9000015
k_HapticAmplitude_MtrNm_f32	0.0719999969
k_HapticDuration_Sec_f32	0.180000007
k_HapticFreq_Hz_f32	9.17199993
k_HapticReacttime_Sec_f32	0.192000002
k_LKAMaxVehSpd_Kph_f32	22.7999992
k_LKAMinVehSpd_Kph_f32	21
k_MaxHapticReqTime_Sec_f32	0.194999993
k_SWARLimiter_HwDeg_f32	19
k_ShiftLevRevTime_Sec_f32	0.0489999987
k_StandstillThresh_Kph_f32	0.479999989
k_StandstillTime_Sec_f32	0.0489999987
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-6.19999981
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-1018.90997
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	419.279999
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	4.40999985
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	84.0999985
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	93.9000015
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.119999997
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-9.69999981
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	1	1	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	18725	18725 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	5710.16992	5710.16992 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-2.53999996	-2.53999996 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	1	1 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	4	4	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	14.3999996	14.3999996 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	1	1	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	14.3999996	14.3999996 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.0719999969	0.0719999969 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	9.17199993	9.17199993 ± 0.0009765625	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.14 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	2	
TrqOvlSta_ESCState_State_M_enum	3	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	7977.62012	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	1186.92004	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	7888.64014	
TrqOvlSta_HapticState_State_M_enum	2	
TrqOvlSta_Hapticdur_Cnt_M_u16	21250	
TrqOvlSta_Haptictime_Sec_M_f32	6195	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-1.92999995	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0306000002	
TrqOvlSta_LKAFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	
TrqOvlSta_LKAPermFault_Cnt_M_u08	4	
TrqOvlSta_LKAState_State_M_enum	1	
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	15.5	
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	
k_APAIncludeHaptic_Cnt_lgc	0	
k_APAMaxHwTrqTime_Sec_f32	0.239999995	
k_APAMaxHwTrq_HwNm_f32	1.03999996	
k_APAMaxVehSpd_Kph_f32	23.3999996	
k_ESCMaxVehSpd_Kph_f32	41.2999992	
k_HapticAmplitude_MtrNm_f32	0.0780000016	
k_HapticDuration_Sec_f32	0.194999993	
k_HapticFreq_Hz_f32	9.68599987	
k_HapticReacttime_Sec_f32	0.208000004	
k_LKAMaxVehSpd_Kph_f32	24.7000008	
k_LKAMinVehSpd_Kph_f32	22.75	
k_MaxHapticReqTime_Sec_f32	0.209999993	
k_SWARLimiter_HwDeg_f32	20.3999996	
k_ShiftLevRevTime_Sec_f32	0.0529999994	
k_StandstillThresh_Kph_f32	0.519999981	
k_StandstillTime_Sec_f32	0.0529999994	
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-6.05000019	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-1008.81
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	424.220001
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	4.76000023
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	89
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	98.8000031
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.129999995
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-7.80000019
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	3	3	✔
TrqOvlSta_ESCState_State_M_enum	3	3	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	2	2	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	21250	21250 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-1.92999995	-1.92999995 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	4	4 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	3	3	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.129999995	0.129999995 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	2	2	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.129999995	0.129999995 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.0780000016	0.0780000016 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	9.68599987	9.68599987 ± 0.0009765625	✔

Test Step Call Trace   ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.15 (Repeat Count = 1)   ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	1
TrqOvlSta_ESCState_State_M_enum	4

Name	Input Value
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	8867.28027
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	1274.76001
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	8758.37988
TrqOvlSta_HapticState_State_M_enum	1
TrqOvlSta_Hapticdur_Cnt_M_u16	23775
TrqOvlSta_Haptictime_Sec_M_f32	6679.83008
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-1.32000005
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0328000002
TrqOvlSta_LKAFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_u08	2
TrqOvlSta_LKAState_State_M_enum	2
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	16.6000004
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
k_APAIncludeHaptic_Cnt_lgc	1
k_APAMaxHwTrqTime_Sec_f32	0.25
k_APAMaxHwTrq_HwNm_f32	1.12
k_APAMaxVehSpd_Kph_f32	25.2000008
k_ESCMaxVehSpd_Kph_f32	43.7000008
k_HapticAmplitude_MtrNm_f32	0.0839999989
k_HapticDuration_Sec_f32	0.209999993
k_HapticFreq_Hz_f32	10.1999998
k_HapticReacttime_Sec_f32	0.224000007
k_LKAMaxVehSpd_Kph_f32	26.6000004
k_LKAMinVehSpd_Kph_f32	24.5
k_MaxHapticReqTime_Sec_f32	0.224999994
k_SWARLimiter_HwDeg_f32	21.7999992
k_ShiftLevRevTime_Sec_f32	0.057
k_StandstillThresh_Kph_f32	0.560000002
k_StandstillTime_Sec_f32	0.057
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-5.9000001
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-998.710022
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	429.160004
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0

Name	Input Value
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	5.11000013
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	0.5
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	103.699997
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.140000001
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-5.9000001
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	1274.76001	1274.76001 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	8758.37988	8758.37988 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	1	1	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	23775	23775 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	6679.83008	6679.83008 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-1.32000005	-1.32000005 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	2 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	4	4	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	16.6000004	16.6000004 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	1	1	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	16.6000004	16.6000004 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.0839999989	0.0839999989 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	10.1999998	10.1999998 ± 0.0009765625	✔

Test Step Call Trace					✔
Actual Function		**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached		1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection		1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached		1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.16 (Repeat Count = 1)	✔
Name	**Input Value**
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	1
TrqOvlSta_ESCState_State_M_enum	0
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	9756.94043
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	1362.59998
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	9628.12012
TrqOvlSta_HapticState_State_M_enum	2
TrqOvlSta_Hapticdur_Cnt_M_u16	26300
TrqOvlSta_Haptictime_Sec_M_f32	7164.66016
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-0.709999979
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0350000001
TrqOvlSta_LKAFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_u08	3
TrqOvlSta_LKAState_State_M_enum	1
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	17.7000008
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
k_APAIncludeHaptic_Cnt_lgc	0

Name	Input Value
k_APAMaxHwTrqTime_Sec_f32	0.25999999
k_APAMaxHwTrq_HwNm_f32	1.20000005
k_APAMaxVehSpd_Kph_f32	27
k_ESCMaxVehSpd_Kph_f32	46.0999985
k_HapticAmplitude_MtrNm_f32	0.0900000036
k_HapticDuration_Sec_f32	0.224999994
k_HapticFreq_Hz_f32	10.7139997
k_HapticReacttime_Sec_f32	0.239999995
k_LKAMaxVehSpd_Kph_f32	28.5
k_LKAMinVehSpd_Kph_f32	26.25
k_MaxHapticReqTime_Sec_f32	0.239999995
k_SWARLimiter_HwDeg_f32	23.2000008
k_ShiftLevRevTime_Sec_f32	0.0610000007
k_StandstillThresh_Kph_f32	0.600000024
k_StandstillTime_Sec_f32	0.0610000007
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-5.75
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-988.609985
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	434.100006
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	-4.30000019
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	98.8000031
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	108.599998
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.150000006
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-4

Name	Input Value		
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0		

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	0	0	✔
TrqOvlSta_ESCState_State_M_enum	3	3	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	26300	26300 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-0.709999979	-0.709999979 ± 0.0000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	3	3 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	3	3	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.150000006	0.150000006 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.150000006	0.150000006 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.0900000036	0.0900000036 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	10.7139997	10.7139997 ± 0.0009765625	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached		1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection		1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached		1	✔

Test Step 2.17 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	2	
TrqOvlSta_ESCState_State_M_enum	4	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	13315.5801	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	1713.95996	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	13107.0801	
TrqOvlSta_HapticState_State_M_enum	2	
TrqOvlSta_Hapticdur_Cnt_M_u16	36400	
TrqOvlSta_Haptictime_Sec_M_f32	9103.98047	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	1.73000002	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0438000001	
TrqOvlSta_LKAFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_u08	0	
TrqOvlSta_LKAState_State_M_enum	2	
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	22.1000004	
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	
k_APAIncludeHaptic_Cnt_lgc	1	
k_APAMaxHwTrqTime_Sec_f32	0.300000012	
k_APAMaxHwTrq_HwNm_f32	1.51999998	
k_APAMaxVehSpd_Kph_f32	34.2000008	
k_ESCMaxVehSpd_Kph_f32	55.7000008	
k_HapticAmplitude_MtrNm_f32	0.114	
k_HapticDuration_Sec_f32	0.284999996	
k_HapticFreq_Hz_f32	12.7700005	
k_HapticReacttime_Sec_f32	0.30399999	
k_LKAMaxVehSpd_Kph_f32	36.0999985	
k_LKAMinVehSpd_Kph_f32	33.25	
k_MaxHapticReqTime_Sec_f32	0.300000012	
k_SWARLimiter_HwDeg_f32	28.7999992	
k_ShiftLevRevTime_Sec_f32	0.0769999996	
k_StandstillThresh_Kph_f32	0.75999999	
k_StandstillTime_Sec_f32	0.0769999996	

Name	Input Value
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-5.1500001
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-978.51001
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	439.040009
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	-10
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	118.400002
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	128.199997
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.189999998
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	3.5999999
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	0	0	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	1713.95996	1713.95996 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	2	2	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	36400	36400 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	1.73000002	1.73000002 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	0	0 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	0	0	✔

Name	Actual Value	Expected Value	Result
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.189999998	0.189999998 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	2	2	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.189999998	0.189999998 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.114	0.114 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	12.7700005	12.7700005 ± 0.0009765625	✔

Test Step Call Trace					✔
Actual Function		**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached		1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection		1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached		1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.18 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	1	
TrqOvlSta_ESCState_State_M_enum	0	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	14205.2402	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	1801.80005	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	13976.8203	
TrqOvlSta_HapticState_State_M_enum	1	
TrqOvlSta_Hapticdur_Cnt_M_u16	38925	
TrqOvlSta_Haptictime_Sec_M_f32	9588.80957	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	2.33999991	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0460000001	
TrqOvlSta_LKAFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	
TrqOvlSta_LKAPermFault_Cnt_M_u08	1	
TrqOvlSta_LKAState_State_M_enum	0	
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	23.2000008	
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	
k_APAIncludeHaptic_Cnt_lgc	1	
k_APAMaxHwTrqTime_Sec_f32	0.310000002	
k_APAMaxHwTrq_HwNm_f32	1.60000002	
k_APAMaxVehSpd_Kph_f32	36	
k_ESCMaxVehSpd_Kph_f32	58.0999985	
k_HapticAmplitude_MtrNm_f32	0.119999997	
k_HapticDuration_Sec_f32	0.300000012	
k_HapticFreq_Hz_f32	13.2840004	
k_HapticReacttime_Sec_f32	0.319999993	
k_LKAMaxVehSpd_Kph_f32	38	
k_LKAMinVehSpd_Kph_f32	35	
k_MaxHapticReqTime_Sec_f32	0.314999998	
k_SWARLimiter_HwDeg_f32	30.2000008	
k_ShiftLevRevTime_Sec_f32	0.0810000002	
k_StandstillThresh_Kph_f32	0.800000012	
k_StandstillTime_Sec_f32	0.0810000002	
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-5	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum	

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-968.409973
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	443.980011
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	10
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	123.300003
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	133.100006
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.100000001
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	5.5
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	1801.80005	1801.80005 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	1	1	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	38925	38925 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	9588.80957	9588.80957 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	2.33999991	2.33999991 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	1	1 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	4	4	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	23.2000008	23.2000008 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	1	1	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	23.2000008	23.2000008 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.119999997	0.119999997 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	13.2840004	13.2840004 ± 0.0009765625	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.19 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	0
TrqOvlSta_ESCState_State_M_enum	1
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	15094.9004
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	1889.64001
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	14846.5596
TrqOvlSta_HapticState_State_M_enum	1
TrqOvlSta_Hapticdur_Cnt_M_u16	41450
TrqOvlSta_Haptictime_Sec_M_f32	10073.6396
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	2.95000005
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0482000001
TrqOvlSta_LKAFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	0
TrqOvlSta_LKAState_State_M_enum	4
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	24.2999992
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0
k_APAIncludeHaptic_Cnt_lgc	1
k_APAMaxHwTrqTime_Sec_f32	0.319999993
k_APAMaxHwTrq_HwNm_f32	1.67999995
k_APAMaxVehSpd_Kph_f32	37.7999992
k_ESCMaxVehSpd_Kph_f32	60.5
k_HapticAmplitude_MtrNm_f32	0.126000002
k_HapticDuration_Sec_f32	0.314999998
k_HapticFreq_Hz_f32	13.7980003
k_HapticReacttime_Sec_f32	0.335999995
k_LKAMaxVehSpd_Kph_f32	39.9000015
k_LKAMinVehSpd_Kph_f32	36.75
k_MaxHapticReqTime_Sec_f32	0.330000013
k_SWARLimiter_HwDeg_f32	31.6000004
k_ShiftLevRevTime_Sec_f32	0.0850000009
k_StandstillThresh_Kph_f32	0.839999974
k_StandstillTime_Sec_f32	0.0850000009
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-4.8499999
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-958.309998
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	448.920013
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	0
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	128.199997
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	138
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.109999999
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	7.4000001
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	0	0	✔
TrqOvlSta_ESCState_State_M_enum	3	3	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	1	1	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	41450	41450 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	10073.6396	10073.6396 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	2.95000005	2.95000005 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	0	0 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	4	4	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.109999999	0.109999999 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	1	1	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.109999999	0.109999999 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.126000002	0.126000002 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	13.7980003	13.7980003 ± 0.0009765625	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.20 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	4
TrqOvlSta_ESCState_State_M_enum	2

Name	Input Value
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	15984.5596
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	1977.47998
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	15716.2998
TrqOvlSta_HapticState_State_M_enum	0
TrqOvlSta_Hapticdur_Cnt_M_u16	43975
TrqOvlSta_Haptictime_Sec_M_f32	10558.4697
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	3.55999994
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0504000001
TrqOvlSta_LKAFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_u08	4
TrqOvlSta_LKAState_State_M_enum	1
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	25.3999996
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
k_APAIncludeHaptic_Cnt_lgc	0
k_APAMaxHwTrqTime_Sec_f32	0.330000013
k_APAMaxHwTrq_HwNm_f32	1.75999999
k_APAMaxVehSpd_Kph_f32	39.5999985
k_ESCMaxVehSpd_Kph_f32	62.9000015
k_HapticAmplitude_MtrNm_f32	0.131999999
k_HapticDuration_Sec_f32	0.330000013
k_HapticFreq_Hz_f32	14.3120003
k_HapticReacttime_Sec_f32	0.351999998
k_LKAMaxVehSpd_Kph_f32	41.7999992
k_LKAMinVehSpd_Kph_f32	38.5
k_MaxHapticReqTime_Sec_f32	0.344999999
k_SWARLimiter_HwDeg_f32	33
k_ShiftLevRevTime_Sec_f32	0.0890000015
k_StandstillThresh_Kph_f32	0.879999995
k_StandstillTime_Sec_f32	0.0890000015
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-4.69999981
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-948.210022
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	453.859985
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0

Name	Input Value
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	4.4000001
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	0.5
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	142.899994
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.119999997
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	9.30000019
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	15984.5596	15984.5596 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	1977.47998	1977.47998 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	15716.2998	15716.2998 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	43975	43975 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	3.60233593	3.60233593 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	4	4 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	4	4	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	25.3999996	25.3999996 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	25.3999996	25.3999996 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.131999999	0.131999999 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	14.3120003	14.3120003 ± 0.0009765625	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.21 (Repeat Count = 1)	✔
Name	**Input Value**
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	0
TrqOvlSta_ESCState_State_M_enum	3
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	16874.2207
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	2065.32007
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	16586.0391
TrqOvlSta_HapticState_State_M_enum	2
TrqOvlSta_Hapticdur_Cnt_M_u16	46500
TrqOvlSta_Haptictime_Sec_M_f32	11043.2998
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	4.17000008
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0526000001
TrqOvlSta_LKAFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	2
TrqOvlSta_LKAState_State_M_enum	0
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	26.5
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0
k_APAIncludeHaptic_Cnt_lgc	0

Name	Input Value
k_APAMaxHwTrqTime_Sec_f32	0.340000004
k_APAMaxHwTrq_HwNm_f32	1.84000003
k_APAMaxVehSpd_Kph_f32	41.4000015
k_ESCMaxVehSpd_Kph_f32	65.3000031
k_HapticAmplitude_MtrNm_f32	0.137999997
k_HapticDuration_Sec_f32	0.344999999
k_HapticFreq_Hz_f32	14.8260002
k_HapticReacttime_Sec_f32	0.368000001
k_LKAMaxVehSpd_Kph_f32	43.7000008
k_LKAMinVehSpd_Kph_f32	40.25
k_MaxHapticReqTime_Sec_f32	0.360000014
k_SWARLimiter_HwDeg_f32	34.4000015
k_ShiftLevRevTime_Sec_f32	0.0930000022
k_StandstillThresh_Kph_f32	0.920000017
k_StandstillTime_Sec_f32	0.0930000022
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-4.55000019
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-938.109985
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	458.799988
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	-4.4000001
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	138
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	147.800003
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.129999995
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	11.1999998

Name	Input Value		
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1		

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	3	3	✓
TrqOvlSta_ESCState_State_M_enum	3	3	✓
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✓
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	2065.32007	2065.32007 ± 1	✓
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✓
TrqOvlSta_HapticState_State_M_enum	2	2	✓
TrqOvlSta_Hapticdur_Cnt_M_u16	46500	46500 ± 1	✓
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✓
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	4.17000008	4.17000008 ± 0.000009	✓
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✓
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✓
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	2 ± 1	✓
TrqOvlSta_LKAState_State_M_enum	0	0	✓
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.129999995	0.129999995 ± 0.0009765625	✓
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✓
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✓
tgt_TrqOvlSta_Per1_APAState_State_enum.value	3	3	✓
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✓
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	2	2	✓
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	0	0	✓
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✓
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.129999995	0.129999995 ± 0.0009765625	✓
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.137999997	0.137999997 ± 0.0009765625	✓
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✓
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	14.8260002	14.8260002 ± 0.0009765625	✓

Test Step Call Trace					✓
Actual Function		**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached		1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✓
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection		1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✓
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached		1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✓

Test Step 2.22 (Repeat Count = 1)		✓
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	1	
TrqOvlSta_ESCState_State_M_enum	4	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	17763.8809	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	2153.15991	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	17455.7793	
TrqOvlSta_HapticState_State_M_enum	0	
TrqOvlSta_Hapticdur_Cnt_M_u16	49025	
TrqOvlSta_Haptictime_Sec_M_f32	11528.1299	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	4.78000021	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0548	
TrqOvlSta_LKAFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_u08	3	
TrqOvlSta_LKAState_State_M_enum	1	
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	27.6000004	
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	
k_APAIncludeHaptic_Cnt_lgc	1	
k_APAMaxHwTrqTime_Sec_f32	0.349999994	
k_APAMaxHwTrq_HwNm_f32	1.91999996	
k_APAMaxVehSpd_Kph_f32	43.2000008	
k_ESCMaxVehSpd_Kph_f32	67.6999969	
k_HapticAmplitude_MtrNm_f32	0.143999994	
k_HapticDuration_Sec_f32	0.360000014	
k_HapticFreq_Hz_f32	15.3400002	
k_HapticReacttime_Sec_f32	0.384000003	
k_LKAMaxVehSpd_Kph_f32	45.5999985	
k_LKAMinVehSpd_Kph_f32	42	
k_MaxHapticReqTime_Sec_f32	0.375	
k_SWARLimiter_HwDeg_f32	35.7999992	
k_ShiftLevRevTime_Sec_f32	0.0970000029	
k_StandstillThresh_Kph_f32	0.959999979	
k_StandstillTime_Sec_f32	0.0970000029	

Name	Input Value
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-4.4000001
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-928.01001
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	463.73999
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	-2.5
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	142.899994
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	152.699997
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.140000001
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	13.1000004
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	17763.8809	17763.8809 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	49025	49025 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	11528.1299	11528.1299 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	4.38105631	4.38105583 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	4	4 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	4	4	✔

Name	Actual Value	Expected Value	Result
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	27.6000004	27.6000004 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	27.6000004	27.6000004 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.143999994	0.143999994 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	15.3400002	15.3400002 ± 0.0009765625	✔

Test Step Call Trace					✔
Actual Function		**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached		1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection		1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached		1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.23 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	0	
TrqOvlSta_ESCState_State_M_enum	0	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	18653.5391	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	2241	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	18325.5195	
TrqOvlSta_HapticState_State_M_enum	1	
TrqOvlSta_Hapticdur_Cnt_M_u16	51550	
TrqOvlSta_Haptictime_Sec_M_f32	12012.96	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	5.38999987	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.057	
TrqOvlSta_LKAFault_Cnt_M_lgc	1	
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	
TrqOvlSta_LKAPermFault_Cnt_M_u08	1	
TrqOvlSta_LKAState_State_M_enum	0	
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	28.7000008	
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	
k_APAIncludeHaptic_Cnt_lgc	0	
k_APAMaxHwTrqTime_Sec_f32	0.360000014	
k_APAMaxHwTrq_HwNm_f32	2	
k_APAMaxVehSpd_Kph_f32	45	
k_ESCMaxVehSpd_Kph_f32	70.0999985	
k_HapticAmplitude_MtrNm_f32	0.150000006	
k_HapticDuration_Sec_f32	0.375	
k_HapticFreq_Hz_f32	15.8540001	
k_HapticReacttime_Sec_f32	0.400000006	
k_LKAMaxVehSpd_Kph_f32	47.5	
k_LKAMinVehSpd_Kph_f32	43.75	
k_MaxHapticReqTime_Sec_f32	0.389999986	
k_SWARLimiter_HwDeg_f32	37.2000008	
k_ShiftLevRevTime_Sec_f32	0.101000004	
k_StandstillThresh_Kph_f32	1	
k_StandstillTime_Sec_f32	0.101000004	
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-4.25	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum	

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-917.909973
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	468.679993
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	-2.29999995
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	147.800003
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	157.600006
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.150000006
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	15
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	3	3	✔
TrqOvlSta_ESCState_State_M_enum	3	3	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	1	1	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	51550	51550 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	5.38999987	5.38999987 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	1	1 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	3	3	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.150000006	0.150000006 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	1	1	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.150000006	0.150000006 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.150000006	0.150000006 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	15.8540001	15.8540001 ± 0.0009765625	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.24 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	1
TrqOvlSta_ESCState_State_M_enum	1
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	19543.1992
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	2328.84009
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	19195.2598
TrqOvlSta_HapticState_State_M_enum	2
TrqOvlSta_Hapticdur_Cnt_M_u16	54075
TrqOvlSta_Haptictime_Sec_M_f32	12497.79
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	6
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0592
TrqOvlSta_LKAFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_u08	2
TrqOvlSta_LKAState_State_M_enum	1
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	29.7999992
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
k_APAIncludeHaptic_Cnt_lgc	1
k_APAMaxHwTrqTime_Sec_f32	0.370000005
k_APAMaxHwTrq_HwNm_f32	2.07999992
k_APAMaxVehSpd_Kph_f32	46.7999992
k_ESCMaxVehSpd_Kph_f32	72.5
k_HapticAmplitude_MtrNm_f32	0.156000003
k_HapticDuration_Sec_f32	0.389999986
k_HapticFreq_Hz_f32	16.368
k_HapticReacttime_Sec_f32	0.416000009
k_LKAMaxVehSpd_Kph_f32	49.4000015
k_LKAMinVehSpd_Kph_f32	45.5
k_MaxHapticReqTime_Sec_f32	0.405000001
k_SWARLimiter_HwDeg_f32	38.5999985
k_ShiftLevRevTime_Sec_f32	0.104999997
k_StandstillThresh_Kph_f32	1.03999996
k_StandstillTime_Sec_f32	0.104999997
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-4.0999999
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-907.809998
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	473.619995
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	-2.0999999
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	152.699997
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	162.5
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.159999996
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	16.8999996
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	2328.84009	2328.84009 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	2	2	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	54075	54075 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	6	6 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	2 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	4	4	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	29.7999992	29.7999992 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	2	2	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	29.7999992	29.7999992 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.156000003	0.156000003 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	16.368	16.368 ± 0.0009765625	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.25 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	2
TrqOvlSta_ESCState_State_M_enum	2

Name	Input Value
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	20432.8594
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	2416.67993
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	20065
TrqOvlSta_HapticState_State_M_enum	0
TrqOvlSta_Hapticdur_Cnt_M_u16	56600
TrqOvlSta_Haptictime_Sec_M_f32	12982.6201
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	6.61000013
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0614
TrqOvlSta_LKAFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_u08	3
TrqOvlSta_LKAState_State_M_enum	0
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	30.8999996
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
k_APAIncludeHaptic_Cnt_lgc	0
k_APAMaxHwTrqTime_Sec_f32	0.379999995
k_APAMaxHwTrq_HwNm_f32	2.16000009
k_APAMaxVehSpd_Kph_f32	48.5999985
k_ESCMaxVehSpd_Kph_f32	74.9000015
k_HapticAmplitude_MtrNm_f32	0.162
k_HapticDuration_Sec_f32	0.405000001
k_HapticFreq_Hz_f32	16.882
k_HapticReacttime_Sec_f32	0.432000011
k_LKAMaxVehSpd_Kph_f32	51.2999992
k_LKAMinVehSpd_Kph_f32	47.25
k_MaxHapticReqTime_Sec_f32	0.419999987
k_SWARLimiter_HwDeg_f32	40
k_ShiftLevRevTime_Sec_f32	0.108999997
k_StandstillThresh_Kph_f32	1.08000004
k_StandstillTime_Sec_f32	0.108999997
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-3.95000005
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-897.710022
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	478.559998
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1

Name	Input Value
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	-1.89999998
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	0.5
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	167.399994
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.170000002
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	18.7999992
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	0	0	✔
TrqOvlSta_ESCState_State_M_enum	3	3	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	20432.8594	20432.8594 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	20065	20065 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	56600	56600 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	12982.6201	12982.6201 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	6.08748627	6.08748579 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	3	3 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	3	3	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.170000002	0.170000002 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.170000002	0.170000002 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.162	0.162 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	16.882	16.882 ± 0.0009765625	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.26 (Repeat Count = 1)	✔
Name	**Input Value**
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	1
TrqOvlSta_ESCState_State_M_enum	3
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	21322.5195
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	2504.52002
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	20934.7402
TrqOvlSta_HapticState_State_M_enum	2
TrqOvlSta_Hapticdur_Cnt_M_u16	59125
TrqOvlSta_Haptictime_Sec_M_f32	13467.4502
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	7.21999979
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0636000037
TrqOvlSta_LKAFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	1
TrqOvlSta_LKAState_State_M_enum	1
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	32
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0
k_APAIncludeHaptic_Cnt_lgc	1

Name	Input Value
k_APAMaxHwTrqTime_Sec_f32	0.389999986
k_APAMaxHwTrq_HwNm_f32	2.24000001
k_APAMaxVehSpd_Kph_f32	50.4000015
k_ESCMaxVehSpd_Kph_f32	77.3000031
k_HapticAmplitude_MtrNm_f32	0.167999998
k_HapticDuration_Sec_f32	0.419999987
k_HapticFreq_Hz_f32	17.3959999
k_HapticReacttime_Sec_f32	0.448000014
k_LKAMaxVehSpd_Kph_f32	53.2000008
k_LKAMinVehSpd_Kph_f32	49
k_MaxHapticReqTime_Sec_f32	0.435000002
k_SWARLimiter_HwDeg_f32	41.4000015
k_ShiftLevRevTime_Sec_f32	0.112999998
k_StandstillThresh_Kph_f32	1.12
k_StandstillTime_Sec_f32	0.112999998
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-3.79999995
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-887.609985
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	483.5
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	-1.70000005
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	162.5
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	172.300003
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.180000007
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	20.7000008

Name	Input Value		
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0		

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	2	2	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	59125	59125 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	7.21999979	7.21999979 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	2 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	4	4	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	32	32 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	2	2	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	32	32 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.167999998	0.167999998 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	17.3959999	17.3959999 ± 0.0009765625	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached		1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection		1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached		1	✔

Test Step 2.27 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	2	
TrqOvlSta_ESCState_State_M_enum	4	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	22212.1797	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	2592.36011	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	21804.4805	
TrqOvlSta_HapticState_State_M_enum	1	
TrqOvlSta_Hapticdur_Cnt_M_u16	61650	
TrqOvlSta_Haptictime_Sec_M_f32	13952.2803	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	7.82999992	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0658000037	
TrqOvlSta_LKAFault_Cnt_M_lgc	1	
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	
TrqOvlSta_LKAPermFault_Cnt_M_u08	4	
TrqOvlSta_LKAState_State_M_enum	2	
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	33.0999985	
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	
k_APAIncludeHaptic_Cnt_lgc	0	
k_APAMaxHwTrqTime_Sec_f32	0.400000006	
k_APAMaxHwTrq_HwNm_f32	2.31999993	
k_APAMaxVehSpd_Kph_f32	52.2000008	
k_ESCMaxVehSpd_Kph_f32	79.6999969	
k_HapticAmplitude_MtrNm_f32	0.173999995	
k_HapticDuration_Sec_f32	0.435000002	
k_HapticFreq_Hz_f32	17.9099998	
k_HapticReacttime_Sec_f32	0.463999987	
k_LKAMaxVehSpd_Kph_f32	55.0999985	
k_LKAMinVehSpd_Kph_f32	50.75	
k_MaxHapticReqTime_Sec_f32	0.449999988	
k_SWARLimiter_HwDeg_f32	42.7999992	
k_ShiftLevRevTime_Sec_f32	0.116999999	
k_StandstillThresh_Kph_f32	1.15999997	
k_StandstillTime_Sec_f32	0.116999999	

Name	Input Value
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-3.6500001
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-877.51001
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	488.440002
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	-1.5
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	167.399994
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	177.199997
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.189999998
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	22.6000004
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	3	3	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	2592.36011	2592.36011 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	1	1	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	61650	61650 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	13952.2803	13952.2803 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	7.82999992	7.82999992 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	4	4 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	3	3	✔

Name	Actual Value	Expected Value	Result
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.189999998	0.189999998 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	1	1	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.189999998	0.189999998 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.173999995	0.173999995 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	17.9099998	17.9099998 ± 0.0009765625	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.28 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	4	
TrqOvlSta_ESCState_State_M_enum	0	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	23101.8398	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	2680.19995	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	22674.2207	
TrqOvlSta_HapticState_State_M_enum	0	
TrqOvlSta_Hapticdur_Cnt_M_u16	64175	
TrqOvlSta_Haptictime_Sec_M_f32	14437.1104	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	8.43999958	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0680000037	
TrqOvlSta_LKAFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	
TrqOvlSta_LKAPermFault_Cnt_M_u08	1	
TrqOvlSta_LKAState_State_M_enum	3	
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	34.2000008	
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	
k_APAIncludeHaptic_Cnt_lgc	0	
k_APAMaxHwTrqTime_Sec_f32	0.409999996	
k_APAMaxHwTrq_HwNm_f32	2.4000001	
k_APAMaxVehSpd_Kph_f32	54	
k_ESCMaxVehSpd_Kph_f32	82.0999985	
k_HapticAmplitude_MtrNm_f32	0.180000007	
k_HapticDuration_Sec_f32	0.449999988	
k_HapticFreq_Hz_f32	18.4239998	
k_HapticReacttime_Sec_f32	0.479999989	
k_LKAMaxVehSpd_Kph_f32	57	
k_LKAMinVehSpd_Kph_f32	52.5	
k_MaxHapticReqTime_Sec_f32	0.465000004	
k_SWARLimiter_HwDeg_f32	44.2000008	
k_ShiftLevRevTime_Sec_f32	0.120999999	
k_StandstillThresh_Kph_f32	1.20000005	
k_StandstillTime_Sec_f32	0.120999999	
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-3.5	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum	

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-867.409973
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	493.380005
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	-1.29999995
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	172.300003
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	182.100006
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.100000001
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	24.5
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	23101.8398	23101.8398 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	64175	64175 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	7.77767944	7.77767992 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	1	1 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	4	4	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	34.2000008	34.2000008 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	34.2000008	34.2000008 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.180000007	0.180000007 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	18.4239998	18.4239998 ± 0.0009765625	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.29 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	2
TrqOvlSta_ESCState_State_M_enum	1
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	23991.5
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	2768.04004
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	23543.9609
TrqOvlSta_HapticState_State_M_enum	1
TrqOvlSta_Hapticdur_Cnt_M_u16	2450
TrqOvlSta_Haptictime_Sec_M_f32	14921.9404
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	9.05000019
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0702000037
TrqOvlSta_LKAFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	0
TrqOvlSta_LKAState_State_M_enum	4
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	35.2999992
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0
k_APAIncludeHaptic_Cnt_lgc	1
k_APAMaxHwTrqTime_Sec_f32	0.419999987
k_APAMaxHwTrq_HwNm_f32	2.48000002
k_APAMaxVehSpd_Kph_f32	55.7999992
k_ESCMaxVehSpd_Kph_f32	84.5
k_HapticAmplitude_MtrNm_f32	0.186000004
k_HapticDuration_Sec_f32	0.465000004
k_HapticFreq_Hz_f32	18.9379997
k_HapticReacttime_Sec_f32	0.495999992
k_LKAMaxVehSpd_Kph_f32	58.9000015
k_LKAMinVehSpd_Kph_f32	54.25
k_MaxHapticReqTime_Sec_f32	0.479999989
k_SWARLimiter_HwDeg_f32	45.5999985
k_ShiftLevRevTime_Sec_f32	0.125
k_StandstillThresh_Kph_f32	1.24000001
k_StandstillTime_Sec_f32	0.125
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-3.3499999
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-857.309998
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	498.320007
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	-1.10000002
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	177.199997
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	187
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.109999999
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	26.3999996
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	3	3	✔
TrqOvlSta_ESCState_State_M_enum	3	3	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	2768.04004	2768.04004 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	1	1	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	2450	2450 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	9.05000019	9.05000019 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	1	1 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	4	4	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.109999999	0.109999999 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	1	1	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.109999999	0.109999999 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.186000004	0.186000004 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	18.9379997	18.9379997 ± 0.0009765625	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.30 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	0
TrqOvlSta_ESCState_State_M_enum	2

Name	Input Value
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	24881.1602
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	2855.87988
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	24413.6992
TrqOvlSta_HapticState_State_M_enum	2
TrqOvlSta_Hapticdur_Cnt_M_u16	8460
TrqOvlSta_Haptictime_Sec_M_f32	15406.7695
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	9.65999985
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0724000037
TrqOvlSta_LKAFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_u08	2
TrqOvlSta_LKAState_State_M_enum	1
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	36.4000015
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
k_APAIncludeHaptic_Cnt_lgc	1
k_APAMaxHwTrqTime_Sec_f32	0.430000007
k_APAMaxHwTrq_HwNm_f32	2.55999994
k_APAMaxVehSpd_Kph_f32	57.5999985
k_ESCMaxVehSpd_Kph_f32	86.9000015
k_HapticAmplitude_MtrNm_f32	0.192000002
k_HapticDuration_Sec_f32	0.479999989
k_HapticFreq_Hz_f32	19.4519997
k_HapticReacttime_Sec_f32	0.512000024
k_LKAMaxVehSpd_Kph_f32	60.7999992
k_LKAMinVehSpd_Kph_f32	56
k_MaxHapticReqTime_Sec_f32	0.495000005
k_SWARLimiter_HwDeg_f32	47
k_ShiftLevRevTime_Sec_f32	0.128999993
k_StandstillThresh_Kph_f32	1.27999997
k_StandstillTime_Sec_f32	0.128999993
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-3.20000005
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-847.210022
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	503.26001
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0

Name	Input Value
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	-0.899999976
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	0.5
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	191.899994
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.119999997
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	28.2999992
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRev_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	24413.6992	24413.6992 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	2	2	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	8460	8460 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	15406.7695	15406.7695 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	9.65999985	9.65999985 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	2 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	4	4	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	36.4000015	36.4000015 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	2	2	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	36.4000015	36.4000015 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.192000002	0.192000002 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	19.4519997	19.4519997 ± 0.0009765625	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.31 (Repeat Count = 1)	✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	1
TrqOvlSta_ESCState_State_M_enum	3
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	25770.8203
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	2943.71997
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	25283.4395
TrqOvlSta_HapticState_State_M_enum	0
TrqOvlSta_Hapticdur_Cnt_M_u16	14470
TrqOvlSta_Haptictime_Sec_M_f32	15891.5996
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	9.97999954
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0746000037
TrqOvlSta_LKAFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	3
TrqOvlSta_LKAState_State_M_enum	2
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	37.5
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0
k_APAIncludeHaptic_Cnt_lgc	1

Name	Input Value
k_APAMaxHwTrqTime_Sec_f32	0.439999998
k_APAMaxHwTrq_HwNm_f32	2.6400001
k_APAMaxVehSpd_Kph_f32	59.4000015
k_ESCMaxVehSpd_Kph_f32	89.3000031
k_HapticAmplitude_MtrNm_f32	0.197999999
k_HapticDuration_Sec_f32	0.495000005
k_HapticFreq_Hz_f32	19.9659996
k_HapticReacttime_Sec_f32	0.527999997
k_LKAMaxVehSpd_Kph_f32	62.7000008
k_LKAMinVehSpd_Kph_f32	57.75
k_MaxHapticReqTime_Sec_f32	0.50999999
k_SWARLimiter_HwDeg_f32	48.4000015
k_ShiftLevRevTime_Sec_f32	0.133000001
k_StandstillThresh_Kph_f32	1.32000005
k_StandstillTime_Sec_f32	0.133000001
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-3.04999995
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-837.109985
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	508.200012
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	-0.699999988
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	187
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	196.800003
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.129999995
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	30.2000008

Name	Input Value		
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0		

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	0	0	✓
TrqOvlSta_ESCState_State_M_enum	3	3	✓
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	25770.8203	25770.8203 ± 1	✓
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	✓
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✓
TrqOvlSta_HapticState_State_M_enum	0	0	✓
TrqOvlSta_Hapticdur_Cnt_M_u16	14470	14470 ± 1	✓
TrqOvlSta_Haptictime_Sec_M_f32	15891.5996	15891.5996 ± 1	✓
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	9.18327141	9.18327236 ± 0.000009	✓
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✓
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✓
TrqOvlSta_LKAPermFault_Cnt_M_u08	3	3 ± 1	✓
TrqOvlSta_LKAState_State_M_enum	0	0	✓
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.129999995	0.129999995 ± 0.0009765625	✓
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✓
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	1	1 ± 1	✓
tgt_TrqOvlSta_Per1_APAState_State_enum.value	0	0	✓
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✓
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✓
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	0	0	✓
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✓
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.129999995	0.129999995 ± 0.0009765625	✓
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.197999999	0.197999999 ± 0.0009765625	✓
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✓
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	19.9659996	19.9659996 ± 0.0009765625	✓

Test Step Call Trace					✓
Actual Function		**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached		1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✓
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection		1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✓
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached		1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✓

Test Step 2.32 (Repeat Count = 1)		✓
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	2	
TrqOvlSta_ESCState_State_M_enum	4	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	26660.4805	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	3031.56006	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	26153.1797	
TrqOvlSta_HapticState_State_M_enum	2	
TrqOvlSta_Hapticdur_Cnt_M_u16	20480	
TrqOvlSta_Haptictime_Sec_M_f32	16376.4297	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-9	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0768000036	
TrqOvlSta_LKAFault_Cnt_M_lgc	1	
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	
TrqOvlSta_LKAPermFault_Cnt_M_u08	0	
TrqOvlSta_LKAState_State_M_enum	1	
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	38.5999985	
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	
k_APAIncludeHaptic_Cnt_lgc	0	
k_APAMaxHwTrqTime_Sec_f32	0.449999988	
k_APAMaxHwTrq_HwNm_f32	2.72000003	
k_APAMaxVehSpd_Kph_f32	61.2000008	
k_ESCMaxVehSpd_Kph_f32	91.6999969	
k_HapticAmplitude_MtrNm_f32	0.203999996	
k_HapticDuration_Sec_f32	0.50999999	
k_HapticFreq_Hz_f32	20.4799995	
k_HapticReacttime_Sec_f32	0.54400003	
k_LKAMaxVehSpd_Kph_f32	64.5999985	
k_LKAMinVehSpd_Kph_f32	59.5	
k_MaxHapticReqTime_Sec_f32	0.524999976	
k_SWARLimiter_HwDeg_f32	49.7999992	
k_ShiftLevRevTime_Sec_f32	0.136999995	
k_StandstillThresh_Kph_f32	1.36000001	
k_StandstillTime_Sec_f32	0.136999995	

Name	Input Value
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-2.9000001
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-827.01001
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	513.140015
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	-0.5
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	191.899994
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	201.699997
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.140000001
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	32.0999985
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	3031.56006	3031.56006 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	2	2	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	20480	20480 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-9	-9 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	0	0 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	4	4	✔

TEST DETAILS REPORT
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TrqOvlSta_Per1

Name	Actual Value	Expected Value	Result
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	38.5999985	38.5999985 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	2	2	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	38.5999985	38.5999985 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.203999996	0.203999996 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	20.4799995	20.4799995 ± 0.0009765625	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.33 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	3
TrqOvlSta_ESCState_State_M_enum	0
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	27550.1406
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	3119.3999
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	27022.9199
TrqOvlSta_HapticState_State_M_enum	1
TrqOvlSta_Hapticdur_Cnt_M_u16	26490
TrqOvlSta_Haptictime_Sec_M_f32	16861.2598
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0.5
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0790000036
TrqOvlSta_LKAFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	2
TrqOvlSta_LKAState_State_M_enum	1
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	39.7000008
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0
k_APAIncludeHaptic_Cnt_lgc	1
k_APAMaxHwTrqTime_Sec_f32	0.460000008
k_APAMaxHwTrq_HwNm_f32	2.79999995
k_APAMaxVehSpd_Kph_f32	63
k_ESCMaxVehSpd_Kph_f32	94.0999985
k_HapticAmplitude_MtrNm_f32	0.209999993
k_HapticDuration_Sec_f32	0.524999976
k_HapticFreq_Hz_f32	20.9939995
k_HapticReacttime_Sec_f32	0.560000002
k_LKAMaxVehSpd_Kph_f32	66.5
k_LKAMinVehSpd_Kph_f32	61.25
k_MaxHapticReqTime_Sec_f32	0.540000021
k_SWARLimiter_HwDeg_f32	51.2000008
k_ShiftLevRevTime_Sec_f32	0.141000003
k_StandstillThresh_Kph_f32	1.39999998
k_StandstillTime_Sec_f32	0.141000003
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-2.75
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-816.909973
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	518.080017
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	-0.300000012
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	196.800003
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	206.600006
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.150000006
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	34
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	3	3	✔
TrqOvlSta_ESCState_State_M_enum	3	3	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	3119.3999	3119.3999 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	1	1	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	26490	26490 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	16861.2598	16861.2598 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0.5	0.5 ± 0.0000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	2 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	0	0	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.150000006	0.150000006 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	1	1	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.150000006	0.150000006 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.209999993	0.209999993 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	20.9939995	20.9939995 ± 0.0009765625	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.34 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	4	
TrqOvlSta_ESCState_State_M_enum	1	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	28439.8008	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	3207.23999	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	27892.6602	
TrqOvlSta_HapticState_State_M_enum	2	
TrqOvlSta_Hapticdur_Cnt_M_u16	32500	
TrqOvlSta_Haptictime_Sec_M_f32	17346.0898	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	6.34000015	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0812000036	
TrqOvlSta_LKAFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_u08	1	
TrqOvlSta_LKAState_State_M_enum	1	
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	40.7999992	
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	
k_APAIncludeHaptic_Cnt_lgc	1	
k_APAMaxHwTrqTime_Sec_f32	0.469999999	
k_APAMaxHwTrq_HwNm_f32	2.88000011	
k_APAMaxVehSpd_Kph_f32	64.8000031	
k_ESCMaxVehSpd_Kph_f32	96.5	
k_HapticAmplitude_MtrNm_f32	0.216000006	
k_HapticDuration_Sec_f32	0.540000021	
k_HapticFreq_Hz_f32	21.5079994	
k_HapticReacttime_Sec_f32	0.575999975	
k_LKAMaxVehSpd_Kph_f32	68.4000015	
k_LKAMinVehSpd_Kph_f32	63	
k_MaxHapticReqTime_Sec_f32	0.555000007	
k_SWARLimiter_HwDeg_f32	52.5999985	
k_ShiftLevRevTime_Sec_f32	0.144999996	
k_StandstillThresh_Kph_f32	1.44000006	
k_StandstillTime_Sec_f32	0.144999996	
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-2.5999999	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-806.809998
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	523.02002
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	-0.100000001
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	201.699997
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	211.5
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.159999996
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-33.0999985
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	2	2	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	32500	32500 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	17346.0898	17346.0898 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	6.34000015	6.34000015 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	2 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	4	4	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	40.7999992	40.7999992 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	2	2	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	40.7999992	40.7999992 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.216000006	0.216000006 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	21.5079994	21.5079994 ± 0.0009765625	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.35 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	0
TrqOvlSta_ESCState_State_M_enum	2

Name	Input Value
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	29329.4609
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	3295.08008
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	28762.4004
TrqOvlSta_HapticState_State_M_enum	1
TrqOvlSta_Hapticdur_Cnt_M_u16	38510
TrqOvlSta_Haptictime_Sec_M_f32	0
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-5.86000013
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0834000036
TrqOvlSta_LKAFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_u08	3
TrqOvlSta_LKAState_State_M_enum	4
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	41.9000015
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
k_APAIncludeHaptic_Cnt_lgc	1
k_APAMaxHwTrqTime_Sec_f32	0.479999989
k_APAMaxHwTrq_HwNm_f32	2.96000004
k_APAMaxVehSpd_Kph_f32	66.5999985
k_ESCMaxVehSpd_Kph_f32	98.9000015
k_HapticAmplitude_MtrNm_f32	0.222000003
k_HapticDuration_Sec_f32	0.555000007
k_HapticFreq_Hz_f32	22.0219994
k_HapticReacttime_Sec_f32	0.592000008
k_LKAMaxVehSpd_Kph_f32	70.3000031
k_LKAMinVehSpd_Kph_f32	64.75
k_MaxHapticReqTime_Sec_f32	0.569999993
k_SWARLimiter_HwDeg_f32	54
k_ShiftLevRevTime_Sec_f32	0.149000004
k_StandstillThresh_Kph_f32	1.48000002
k_StandstillTime_Sec_f32	0.149000004
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-2.45000005
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-796.710022
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	527.960022
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1

Name	Input Value
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	0.100000001
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	0.5
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	216.399994
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.170000002
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-31.5
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	0	0	✔
TrqOvlSta_ESCState_State_M_enum	3	3	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	3295.08008	3295.08008 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	28762.4004	28762.4004 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	1	1	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	38510	38510 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0.00200000009	0.00200000009 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-5.86000013	-5.86000013 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	3	3 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	4	4	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.170000002	0.170000002 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	1	1	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.170000002	0.170000002 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.222000003	0.222000003 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	22.0219994	22.0219994 ± 0.0009765625	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.36 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	4
TrqOvlSta_ESCState_State_M_enum	3
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	30219.1191
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	3382.91992
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	29632.1406
TrqOvlSta_HapticState_State_M_enum	2
TrqOvlSta_Hapticdur_Cnt_M_u16	44520
TrqOvlSta_Haptictime_Sec_M_f32	4.2949673e+009
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0.649999976
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0526000001
TrqOvlSta_LKAFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_u08	4
TrqOvlSta_LKAState_State_M_enum	0
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	43
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
k_APAIncludeHaptic_Cnt_lgc	0

Name	Input Value
k_APAMaxHwTrqTime_Sec_f32	0.49000001
k_APAMaxHwTrq_HwNm_f32	3.03999996
k_APAMaxVehSpd_Kph_f32	68.4000015
k_ESCMaxVehSpd_Kph_f32	101.300003
k_HapticAmplitude_MtrNm_f32	0.228
k_HapticDuration_Sec_f32	0.569999993
k_HapticFreq_Hz_f32	22.5359993
k_HapticReacttime_Sec_f32	0.60799998
k_LKAMaxVehSpd_Kph_f32	72.1999969
k_LKAMinVehSpd_Kph_f32	66.5
k_MaxHapticReqTime_Sec_f32	0.584999979
k_SWARLimiter_HwDeg_f32	55.4000015
k_ShiftLevRevTime_Sec_f32	0.152999997
k_StandstillThresh_Kph_f32	1.51999998
k_StandstillTime_Sec_f32	0.152999997
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-2.29999995
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-786.609985
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	532.900024
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	0.300000012
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	211.5
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	221.300003
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.180000007
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-29.8999996

Name	Input Value		
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1		

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	3382.91992	3382.91992 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	2	2	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	44520	44520 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	4.2949673e+009	4.2949673e+009 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0.649999976	0.649999976 ± 0.0000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	4	4 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	4	4	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	43	43 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	2	2	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	43	43 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.228	0.228 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	22.5359993	22.5359993 ± 0.0009765625	✔

Test Step Call Trace   ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.37 (Repeat Count = 1)   ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	2
TrqOvlSta_ESCState_State_M_enum	4
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	31108.7793
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	3470.76001
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	30501.8809
TrqOvlSta_HapticState_State_M_enum	1
TrqOvlSta_Hapticdur_Cnt_M_u16	50530
TrqOvlSta_Haptictime_Sec_M_f32	35000.5391
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	1.21000004
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0548
TrqOvlSta_LKAFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_u08	2
TrqOvlSta_LKAState_State_M_enum	2
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	44.0999985
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
k_APAIncludeHaptic_Cnt_lgc	0
k_APAMaxHwTrqTime_Sec_f32	0.5
k_APAMaxHwTrq_HwNm_f32	3.11999989
k_APAMaxVehSpd_Kph_f32	70.1999969
k_ESCMaxVehSpd_Kph_f32	103.699997
k_HapticAmplitude_MtrNm_f32	0.233999997
k_HapticDuration_Sec_f32	0.584999979
k_HapticFreq_Hz_f32	23.0499992
k_HapticReacttime_Sec_f32	0.624000013
k_LKAMaxVehSpd_Kph_f32	74.0999985
k_LKAMinVehSpd_Kph_f32	68.25
k_MaxHapticReqTime_Sec_f32	0.600000024
k_SWARLimiter_HwDeg_f32	56.7999992
k_ShiftLevRevTime_Sec_f32	0.157000005
k_StandstillThresh_Kph_f32	1.55999994
k_StandstillTime_Sec_f32	0.157000005

Name	Input Value
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-2.1500001
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-776.51001
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	537.840027
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	0.5
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	216.399994
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	226.199997
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.189999998
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-28.2999992
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	1	1	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	1	1	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	50530	50530 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	1.21000004	1.21000004 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	2 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	3	3	✔

Name	Actual Value	Expected Value	Result
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.189999998	0.189999998 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	1	1	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	1	1	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.189999998	0.189999998 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.233999997	0.233999997 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	23.0499992	23.0499992 ± 0.0009765625	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached		1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection		1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached		1	✔

Test Step 2.38 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	0	
TrqOvlSta_ESCState_State_M_enum	0	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	31998.4395	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	31371.6191	
TrqOvlSta_HapticState_State_M_enum	0	
TrqOvlSta_Hapticdur_Cnt_M_u16	3240	
TrqOvlSta_Haptictime_Sec_M_f32	18460.6309	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	2.8900001	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0340000018	
TrqOvlSta_LKAFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	
TrqOvlSta_LKAPermFault_Cnt_M_u08	1	
TrqOvlSta_LKAState_State_M_enum	1	
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	45.2000008	
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	
k_APAIncludeHaptic_Cnt_lgc	1	
k_APAMaxHwTrqTime_Sec_f32	0.50999999	
k_APAMaxHwTrq_HwNm_f32	3.3599999	
k_APAMaxVehSpd_Kph_f32	75.5999985	
k_ESCMaxVehSpd_Kph_f32	106.099998	
k_HapticAmplitude_MtrNm_f32	0.252000004	
k_HapticDuration_Sec_f32	0.629999995	
k_HapticFreq_Hz_f32	23.5639992	
k_HapticReacttime_Sec_f32	0.671999991	
k_LKAMaxVehSpd_Kph_f32	79.8000031	
k_LKAMinVehSpd_Kph_f32	73.5	
k_MaxHapticReqTime_Sec_f32	0.644999981	
k_SWARLimiter_HwDeg_f32	58.2000008	
k_ShiftLevRevTime_Sec_f32	0.169	
k_StandstillThresh_Kph_f32	1.67999995	
k_StandstillTime_Sec_f32	0.169	
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-1.70000005	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum	

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-766.409973
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	542.780029
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	1.10000002
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	221.300003
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	231.100006
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.100000001
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-26.7000008
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0.00200000009	0.00200000009 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	3240	3240 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	18460.6309	18460.6309 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	2.82914019	2.82913995 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	1	1 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	4	4	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	45.2000008	45.2000008 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	45.2000008	45.2000008 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.252000004	0.252000004 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	23.5639992	23.5639992 ± 0.0009765625	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.39 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	1
TrqOvlSta_ESCState_State_M_enum	1
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	32888.1016
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	4.2949673e+009
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	32241.3594
TrqOvlSta_HapticState_State_M_enum	2
TrqOvlSta_Hapticdur_Cnt_M_u16	46
TrqOvlSta_Haptictime_Sec_M_f32	21465
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	3.45000005
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0450000018
TrqOvlSta_LKAFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	2
TrqOvlSta_LKAState_State_M_enum	0
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	46.2999992
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0
k_APAIncludeHaptic_Cnt_lgc	0
k_APAMaxHwTrqTime_Sec_f32	0.519999981
k_APAMaxHwTrq_HwNm_f32	3.44000006
k_APAMaxVehSpd_Kph_f32	77.4000015
k_ESCMaxVehSpd_Kph_f32	108.5
k_HapticAmplitude_MtrNm_f32	0.257999986
k_HapticDuration_Sec_f32	0.644999981
k_HapticFreq_Hz_f32	24.0779991
k_HapticReacttime_Sec_f32	0.688000023
k_LKAMaxVehSpd_Kph_f32	81.6999969
k_LKAMinVehSpd_Kph_f32	75.25
k_MaxHapticReqTime_Sec_f32	0.660000026
k_SWARLimiter_HwDeg_f32	59.5999985
k_ShiftLevRevTime_Sec_f32	0.172999993
k_StandstillThresh_Kph_f32	1.72000003
k_StandstillTime_Sec_f32	0.172999993
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-1.54999995
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-756.309998
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	547.719971
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	1.29999995
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	226.199997
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	236
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.109999999
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-25.1000004
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	3	3	✔
TrqOvlSta_ESCState_State_M_enum	3	3	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	4.2949673e+009	4.2949673e+009 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	46	46 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	3.45000005	3.45000005 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	3	3 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	3	3	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.109999999	0.109999999 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.109999999	0.109999999 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.257999986	0.257999986 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	24.0779991	24.0779991 ± 0.0009765625	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.40 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	2	
TrqOvlSta_ESCState_State_M_enum	2	

Name	Input Value
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	33777.7617
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	40350.6602
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	33111.1016
TrqOvlSta_HapticState_State_M_enum	1
TrqOvlSta_Hapticdur_Cnt_M_u16	1352
TrqOvlSta_Haptictime_Sec_M_f32	24470
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	4.01000023
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0560000017
TrqOvlSta_LKAFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_u08	0
TrqOvlSta_LKAState_State_M_enum	0
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	47.4000015
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
k_APAIncludeHaptic_Cnt_lgc	1
k_APAMaxHwTrqTime_Sec_f32	0.529999971
k_APAMaxHwTrq_HwNm_f32	3.51999998
k_APAMaxVehSpd_Kph_f32	79.1999969
k_ESCMaxVehSpd_Kph_f32	110.900002
k_HapticAmplitude_MtrNm_f32	0.263999999
k_HapticDuration_Sec_f32	0.660000026
k_HapticFreq_Hz_f32	24.5919991
k_HapticReacttime_Sec_f32	0.703999996
k_LKAMaxVehSpd_Kph_f32	83.5999985
k_LKAMinVehSpd_Kph_f32	77
k_MaxHapticReqTime_Sec_f32	0.675000012
k_SWARLimiter_HwDeg_f32	1.29999995
k_ShiftLevRevTime_Sec_f32	0.177000001
k_StandstillThresh_Kph_f32	1.75999999
k_StandstillTime_Sec_f32	0.177000001
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-1.39999998
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-746.210022
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	552.659973
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0

Name	Input Value
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	1.5
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	0.5
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	240.899994
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.119999997
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-23.5
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRev_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	33111.1016	33111.1016 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	1	1	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	1352	1352 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	24470	24470 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	4.01000023	4.01000023 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	0	0 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	4	4	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	47.4000015	47.4000015 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	1	1	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	47.4000015	47.4000015 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.263999999	0.263999999 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	24.5919991	24.5919991 ± 0.0009765625	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.41 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	2	
TrqOvlSta_ESCState_State_M_enum	3	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	34667.4219	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	5450	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	
TrqOvlSta_HapticState_State_M_enum	1	
TrqOvlSta_Hapticdur_Cnt_M_u16	5270	
TrqOvlSta_Haptictime_Sec_M_f32	27475.5293	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	5.69000006	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0890000015	
TrqOvlSta_LKAFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	
TrqOvlSta_LKAPermFault_Cnt_M_u08	4	
TrqOvlSta_LKAState_State_M_enum	1	
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	48.5	
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	
k_APAIncludeHaptic_Cnt_lgc	1	

Name	Input Value
k_APAMaxHwTrqTime_Sec_f32	0.540000021
k_APAMaxHwTrq_HwNm_f32	3.75999999
k_APAMaxVehSpd_Kph_f32	84.5999985
k_ESCMaxVehSpd_Kph_f32	113.300003
k_HapticAmplitude_MtrNm_f32	0.282000005
k_HapticDuration_Sec_f32	0.704999983
k_HapticFreq_Hz_f32	25.1060009
k_HapticReacttime_Sec_f32	0.751999974
k_LKAMaxVehSpd_Kph_f32	89.3000031
k_LKAMinVehSpd_Kph_f32	82.25
k_MaxHapticReqTime_Sec_f32	0.720000029
k_SWARLimiter_HwDeg_f32	1.60000002
k_ShiftLevRevTime_Sec_f32	0.188999996
k_StandstillThresh_Kph_f32	1.88
k_StandstillTime_Sec_f32	0.188999996
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-0.949999988
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-736.109985
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	557.599976
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	2.0999999
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	236
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	245.800003
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.129999995
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-21.8999996

Name	Input Value		
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0		

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	3	3	✔
TrqOvlSta_ESCState_State_M_enum	3	3	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	1	1	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	5270	5270 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	27475.5293	27475.5293 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	5.69000006	5.69000006 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	4	4 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	3	3	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.129999995	0.129999995 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	1	1	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.129999995	0.129999995 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.282000005	0.282000005 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	25.1060009	25.1060009 ± 0.0009765625	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached		1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection		1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached		1	✔

Test Step 2.42 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	1	
TrqOvlSta_ESCState_State_M_enum	4	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	35557.0781	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	8620	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	4.2949673e+009	
TrqOvlSta_HapticState_State_M_enum	2	
TrqOvlSta_Hapticdur_Cnt_M_u16	6576	
TrqOvlSta_Haptictime_Sec_M_f32	30480	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	6.25	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.100000001	
TrqOvlSta_LKAFault_Cnt_M_lgc	1	
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	
TrqOvlSta_LKAState_State_M_enum	0	
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	49.5999985	
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	
k_APAIncludeHaptic_Cnt_lgc	1	
k_APAMaxHwTrqTime_Sec_f32	0.550000012	
k_APAMaxHwTrq_HwNm_f32	3.83999991	
k_APAMaxVehSpd_Kph_f32	86.4000015	
k_ESCMaxVehSpd_Kph_f32	115.699997	
k_HapticAmplitude_MtrNm_f32	0.287999988	
k_HapticDuration_Sec_f32	0.720000029	
k_HapticFreq_Hz_f32	25.6200008	
k_HapticReacttime_Sec_f32	0.768000007	
k_LKAMaxVehSpd_Kph_f32	91.1999969	
k_LKAMinVehSpd_Kph_f32	84	
k_MaxHapticReqTime_Sec_f32	0.735000014	
k_SWARLimiter_HwDeg_f32	1.89999998	
k_ShiftLevRevTime_Sec_f32	0.193000004	
k_StandstillThresh_Kph_f32	1.91999996	
k_StandstillTime_Sec_f32	0.193000004	

Name	Input Value
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-0.800000012
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-726.01001
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	562.539978
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	2.29999995
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	240.899994
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	250.699997
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.140000001
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-20.2999992
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	2	2	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	6576	6576 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	30480	30480 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	6.25	6.25 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	2 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	4	4	✔

Name	Actual Value	Expected Value	Result
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	49.5999985	49.5999985 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	2	2	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	49.5999985	49.5999985 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.287999988	0.287999988 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	25.6200008	25.6200008 ± 0.0009765625	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.43 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	2
TrqOvlSta_ESCState_State_M_enum	0
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	36446.7383
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	11790
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	76432.1094
TrqOvlSta_HapticState_State_M_enum	0
TrqOvlSta_Hapticdur_Cnt_M_u16	7882
TrqOvlSta_Haptictime_Sec_M_f32	33485
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	6.80999994
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.111000001
TrqOvlSta_LKAFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_u08	3
TrqOvlSta_LKAState_State_M_enum	1
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	50.7000008
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
k_APAIncludeHaptic_Cnt_lgc	1
k_APAMaxHwTrqTime_Sec_f32	0.560000002
k_APAMaxHwTrq_HwNm_f32	3.92000008
k_APAMaxVehSpd_Kph_f32	88.1999969
k_ESCMaxVehSpd_Kph_f32	118.099998
k_HapticAmplitude_MtrNm_f32	0.294
k_HapticDuration_Sec_f32	0.735000014
k_HapticFreq_Hz_f32	26.1340008
k_HapticReacttime_Sec_f32	0.783999979
k_LKAMaxVehSpd_Kph_f32	93.0999985
k_LKAMinVehSpd_Kph_f32	85.75
k_MaxHapticReqTime_Sec_f32	0.75
k_SWARLimiter_HwDeg_f32	2.20000005
k_ShiftLevRevTime_Sec_f32	0.196999997
k_StandstillThresh_Kph_f32	1.96000004
k_StandstillTime_Sec_f32	0.196999997
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-0.649999976
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-715.909973
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	567.47998
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	2.5
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	245.800003
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	255.600006
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.150000006
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-18.7000008
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	0	0	✔
TrqOvlSta_ESCState_State_M_enum	3	3	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	36446.7383	36446.7383 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	11790	11790 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	7882	7882 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	6.3315897	6.33159018 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	3	3 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	3	3	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.150000006	0.150000006 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.150000006	0.150000006 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.294	0.294 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	26.1340008	26.1340008 ± 0.0009765625	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.44 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	1
TrqOvlSta_ESCState_State_M_enum	1
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	14960
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	12024
TrqOvlSta_HapticState_State_M_enum	0
TrqOvlSta_Hapticdur_Cnt_M_u16	11800
TrqOvlSta_Haptictime_Sec_M_f32	36490.3516
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	8.48999977
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.143999994
TrqOvlSta_LKAFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	1
TrqOvlSta_LKAState_State_M_enum	1
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	51.7999992
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0
k_APAIncludeHaptic_Cnt_lgc	1
k_APAMaxHwTrqTime_Sec_f32	0.569999993
k_APAMaxHwTrq_HwNm_f32	0.100000001
k_APAMaxVehSpd_Kph_f32	93.5999985
k_ESCMaxVehSpd_Kph_f32	120.5
k_HapticAmplitude_MtrNm_f32	0.312000006
k_HapticDuration_Sec_f32	0.779999971
k_HapticFreq_Hz_f32	26.6480007
k_HapticReacttime_Sec_f32	0.832000017
k_LKAMaxVehSpd_Kph_f32	98.8000031
k_LKAMinVehSpd_Kph_f32	91
k_MaxHapticReqTime_Sec_f32	0.795000017
k_SWARLimiter_HwDeg_f32	2.5
k_ShiftLevRevTime_Sec_f32	0.209000006
k_StandstillThresh_Kph_f32	2.07999992
k_StandstillTime_Sec_f32	0.209000006
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-0.200000003
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-705.809998
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	572.419983
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	3.0999999
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	250.699997
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	260.5
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.159999996
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-17.1000004
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0.00200000009	0.00200000009 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	14960	14960 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	11800	11800 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	7.71384001	7.71384001 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	1	1 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	4	4	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	51.7999992	51.7999992 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	51.7999992	51.7999992 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.312000006	0.312000006 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	26.6480007	26.6480007 ± 0.0009765625	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.45 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	0	
TrqOvlSta_ESCState_State_M_enum	2	

Name	Input Value
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	4.2949673e+009
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	18130
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	18570
TrqOvlSta_HapticState_State_M_enum	0
TrqOvlSta_Hapticdur_Cnt_M_u16	13106
TrqOvlSta_Haptictime_Sec_M_f32	39495
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	9.05000019
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.155000001
TrqOvlSta_LKAFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	0
TrqOvlSta_LKAState_State_M_enum	0
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	52.9000015
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0
k_APAIncludeHaptic_Cnt_lgc	0
k_APAMaxHwTrqTime_Sec_f32	0.579999983
k_APAMaxHwTrq_HwNm_f32	0.5
k_APAMaxVehSpd_Kph_f32	95.4000015
k_ESCMaxVehSpd_Kph_f32	122.900002
k_HapticAmplitude_MtrNm_f32	0.317999989
k_HapticDuration_Sec_f32	0.795000017
k_HapticFreq_Hz_f32	27.1620007
k_HapticReacttime_Sec_f32	0.84799999
k_LKAMaxVehSpd_Kph_f32	100.699997
k_LKAMinVehSpd_Kph_f32	92.75
k_MaxHapticReqTime_Sec_f32	0.810000002
k_SWARLimiter_HwDeg_f32	2.79999995
k_ShiftLevRevTime_Sec_f32	0.213
k_StandstillThresh_Kph_f32	2.11999989
k_StandstillTime_Sec_f32	0.213
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-0.0500000007
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-695.710022
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	577.359985
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1

Name	Input Value
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	3.29999995
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	0.5
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	265.399994
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.170000002
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-15.5
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	3	3	✔
TrqOvlSta_ESCState_State_M_enum	3	3	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	4.2949673e+009	4.2949673e+009 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	18130	18130 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	18570	18570 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	13106	13106 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	8.15875053	8.15874958 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	0	0 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	0	0	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.170000002	0.170000002 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.170000002	0.170000002 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.317999989	0.317999989 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	27.1620007	27.1620007 ± 0.0009765625	✔

Test Step Call Trace					✔
Actual Function		**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached		1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection		1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached		1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.46 (Repeat Count = 1)	✔
Name	**Input Value**
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	2
TrqOvlSta_ESCState_State_M_enum	3
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	684235.25
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	21300
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	25116
TrqOvlSta_HapticState_State_M_enum	0
TrqOvlSta_Hapticdur_Cnt_M_u16	14412
TrqOvlSta_Haptictime_Sec_M_f32	42500
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	9.60999966
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.165999994
TrqOvlSta_LKAFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_u08	1
TrqOvlSta_LKAState_State_M_enum	4
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	54
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
k_APAIncludeHaptic_Cnt_lgc	1

Name	Input Value
k_APAMaxHwTrqTime_Sec_f32	0.589999974
k_APAMaxHwTrq_HwNm_f32	7
k_APAMaxVehSpd_Kph_f32	97.1999969
k_ESCMaxVehSpd_Kph_f32	125.300003
k_HapticAmplitude_MtrNm_f32	0.324000001
k_HapticDuration_Sec_f32	0.810000002
k_HapticFreq_Hz_f32	27.6760006
k_HapticReacttime_Sec_f32	0.864000022
k_LKAMaxVehSpd_Kph_f32	102.599998
k_LKAMinVehSpd_Kph_f32	94.5
k_MaxHapticReqTime_Sec_f32	0.824999988
k_SWARLimiter_HwDeg_f32	3.0999999
k_ShiftLevRevTime_Sec_f32	0.216999993
k_StandstillThresh_Kph_f32	2.16000009
k_StandstillTime_Sec_f32	0.216999993
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	0.100000001
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-685.609985
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	582.299988
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	3.5
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	260.5
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	270.299988
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.180000007
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-13.8999996

Name	Input Value		
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0		

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	684235.25	684235.25 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	14412	14412 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	42500	42500 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	8.59573936	8.59574032 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	1	1 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	4	4	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	54	54 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	54	54 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.324000001	0.324000001 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	27.6760006	27.6760006 ± 0.0009765625	✔

Test Step Call Trace					✔
Actual Function		**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached		1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection		1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached		1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.47 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	4	
TrqOvlSta_ESCState_State_M_enum	4	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	152460	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	24470	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	31662	
TrqOvlSta_HapticState_State_M_enum	0	
TrqOvlSta_Hapticdur_Cnt_M_u16	18330	
TrqOvlSta_Haptictime_Sec_M_f32	45505	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-10	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.199000001	
TrqOvlSta_LKAFault_Cnt_M_lgc	1	
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	
TrqOvlSta_LKAState_State_M_enum	0	
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	55.0999985	
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	
k_APAIncludeHaptic_Cnt_lgc	0	
k_APAMaxHwTrqTime_Sec_f32	0.600000024	
k_APAMaxHwTrq_HwNm_f32	4.55999994	
k_APAMaxVehSpd_Kph_f32	102.599998	
k_ESCMaxVehSpd_Kph_f32	127.699997	
k_HapticAmplitude_MtrNm_f32	0.342000008	
k_HapticDuration_Sec_f32	0.855000019	
k_HapticFreq_Hz_f32	28.1900005	
k_HapticReacttime_Sec_f32	0.912	
k_LKAMaxVehSpd_Kph_f32	108.300003	
k_LKAMinVehSpd_Kph_f32	99.75	
k_MaxHapticReqTime_Sec_f32	0.870000005	
k_SWARLimiter_HwDeg_f32	3.4000001	
k_ShiftLevRevTime_Sec_f32	0.229000002	
k_StandstillThresh_Kph_f32	2.27999997	
k_StandstillTime_Sec_f32	0.229000002	

Name	Input Value
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	0.550000012
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-675.51001
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	587.23999
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	4.0999999
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	265.399994
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	275.200012
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.189999998
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-12.3000002
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	152460	152460 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	18330	18330 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	45505	45505 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-7.1940999	-7.1940999 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	2 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	0	0	✔

TEST DETAILS REPORT

TrqOvlSta_Per1

Name	Actual Value	Expected Value	Result
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.189999998	0.189999998 ± 0.0009765625	✓
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✓
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	1	1 ± 1	✓
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✓
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✓
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✓
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	0	0	✓
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✓
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.189999998	0.189999998 ± 0.0009765625	✓
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.342000008	0.342000008 ± 0.0009765625	✓
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✓
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	28.1900005	28.1900005 ± 0.0009765625	✓

Test Step Call Trace ✓

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✓
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✓
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✓

Test Step 2.48 (Repeat Count = 1) ✓

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	2
TrqOvlSta_ESCState_State_M_enum	0
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	186423
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	27640
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	38208
TrqOvlSta_HapticState_State_M_enum	0
TrqOvlSta_Hapticdur_Cnt_M_u16	19636
TrqOvlSta_Haptictime_Sec_M_f32	48510.3398
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	10
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.209999993
TrqOvlSta_LKAFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_u08	3
TrqOvlSta_LKAState_State_M_enum	1
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	56.2000008
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
k_APAIncludeHaptic_Cnt_lgc	0
k_APAMaxHwTrqTime_Sec_f32	0.610000014
k_APAMaxHwTrq_HwNm_f32	4.63999987
k_APAMaxVehSpd_Kph_f32	104.400002
k_ESCMaxVehSpd_Kph_f32	130.100006
k_HapticAmplitude_MtrNm_f32	0.34799999
k_HapticDuration_Sec_f32	0.870000005
k_HapticFreq_Hz_f32	28.7040005
k_HapticReacttime_Sec_f32	0.927999973
k_LKAMaxVehSpd_Kph_f32	110.199997
k_LKAMinVehSpd_Kph_f32	101.5
k_MaxHapticReqTime_Sec_f32	0.88499999
k_SWARLimiter_HwDeg_f32	3.70000005
k_ShiftLevRevTime_Sec_f32	0.232999995
k_StandstillThresh_Kph_f32	2.31999993
k_StandstillTime_Sec_f32	0.232999995
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	0.699999988
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-665.409973
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	592.179993
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	4.30000019
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	270.299988
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	280.100006
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.100000001
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-10.6999998
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	186423	186423 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	19636	19636 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	8.80300045	8.80300045 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	3	3 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	4	4	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	56.2000008	56.2000008 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	56.2000008	56.2000008 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.34799999	0.34799999 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	28.7040005	28.7040005 ± 0.0009765625	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.49 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	1	
TrqOvlSta_ESCState_State_M_enum	1	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	220386	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	30810	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	44754	
TrqOvlSta_HapticState_State_M_enum	0	
TrqOvlSta_Hapticdur_Cnt_M_u16	20942	
TrqOvlSta_Haptictime_Sec_M_f32	51515	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.221000001	
TrqOvlSta_LKAFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_u08	1	
TrqOvlSta_LKAState_State_M_enum	2	
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	57.2999992	
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	
k_APAIncludeHaptic_Cnt_lgc	1	
k_APAMaxHwTrqTime_Sec_f32	0.620000005	
k_APAMaxHwTrq_HwNm_f32	4.71999979	
k_APAMaxVehSpd_Kph_f32	106.199997	
k_ESCMaxVehSpd_Kph_f32	132.5	
k_HapticAmplitude_MtrNm_f32	0.354000002	
k_HapticDuration_Sec_f32	0.88499999	
k_HapticFreq_Hz_f32	29.2180004	
k_HapticReacttime_Sec_f32	0.944000006	
k_LKAMaxVehSpd_Kph_f32	112.099998	
k_LKAMinVehSpd_Kph_f32	103.25	
k_MaxHapticReqTime_Sec_f32	0.899999976	
k_SWARLimiter_HwDeg_f32	4	
k_ShiftLevRevTime_Sec_f32	0.237000003	
k_StandstillThresh_Kph_f32	2.3599999	
k_StandstillTime_Sec_f32	0.237000003	
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	0.850000024	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-655.309998
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	597.119995
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	4.5
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	275.200012
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	285
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.109999999
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-9.10000038
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	3	3	✔
TrqOvlSta_ESCState_State_M_enum	3	3	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	30810	30810 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	20942	20942 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	51515	51515 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0.994499981	0.994499981 ± 0.0000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	1	1 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	2	2	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.109999999	0.109999999 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	2	2	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.109999999	0.109999999 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.354000002	0.354000002 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	29.2180004	29.2180004 ± 0.0009765625	✔

Test Step Call Trace   ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.50 (Repeat Count = 1)   ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	1
TrqOvlSta_ESCState_State_M_enum	2

Name	Input Value
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	254349
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	33980
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	51300
TrqOvlSta_HapticState_State_M_enum	0
TrqOvlSta_Hapticdur_Cnt_M_u16	22248
TrqOvlSta_Haptictime_Sec_M_f32	54520
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	6.34000015
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.231999993
TrqOvlSta_LKAFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	2
TrqOvlSta_LKAState_State_M_enum	1
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	58.4000015
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0
k_APAIncludeHaptic_Cnt_lgc	1
k_APAMaxHwTrqTime_Sec_f32	0.629999995
k_APAMaxHwTrq_HwNm_f32	4.80000019
k_APAMaxVehSpd_Kph_f32	108
k_ESCMaxVehSpd_Kph_f32	134.899994
k_HapticAmplitude_MtrNm_f32	0.360000014
k_HapticDuration_Sec_f32	0.899999976
k_HapticFreq_Hz_f32	29.7320004
k_HapticReacttime_Sec_f32	0.959999979
k_LKAMaxVehSpd_Kph_f32	114
k_LKAMinVehSpd_Kph_f32	105
k_MaxHapticReqTime_Sec_f32	0.915000021
k_SWARLimiter_HwDeg_f32	4.30000019
k_ShiftLevRevTime_Sec_f32	0.240999997
k_StandstillThresh_Kph_f32	2.4000001
k_StandstillTime_Sec_f32	0.240999997
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	1
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-645.210022
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	602.059998
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0

Name	Input Value
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	4.69999981
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	0.5
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	289.899994
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.119999997
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-7.5
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	254349	254349 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	51300	51300 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	22248	22248 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	5.95951986	5.95951986 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	2 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	4	4	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	58.4000015	58.4000015 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	58.4000015	58.4000015 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.360000014	0.360000014 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	29.7320004	29.7320004 ± 0.0009765625	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached		1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection		1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached		1	✔

Test Step 2.51 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	0	
TrqOvlSta_ESCState_State_M_enum	3	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	288312	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	37150	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	57846	
TrqOvlSta_HapticState_State_M_enum	0	
TrqOvlSta_Hapticdur_Cnt_M_u16	23554	
TrqOvlSta_Haptictime_Sec_M_f32	57525.3203	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-5.86000013	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.243000001	
TrqOvlSta_LKAFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	
TrqOvlSta_LKAPermFault_Cnt_M_u08	3	
TrqOvlSta_LKAState_State_M_enum	2	
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	59.5	
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	
k_APAIncludeHaptic_Cnt_lgc	1	

Name	Input Value
k_APAMaxHwTrqTime_Sec_f32	0.639999986
k_APAMaxHwTrq_HwNm_f32	4.88000011
k_APAMaxVehSpd_Kph_f32	109.800003
k_ESCMaxVehSpd_Kph_f32	137.300003
k_HapticAmplitude_MtrNm_f32	0.365999997
k_HapticDuration_Sec_f32	0.915000021
k_HapticFreq_Hz_f32	30.2460003
k_HapticReacttime_Sec_f32	0.976000011
k_LKAMaxVehSpd_Kph_f32	115.900002
k_LKAMinVehSpd_Kph_f32	106.75
k_MaxHapticReqTime_Sec_f32	0.930000007
k_SWARLimiter_HwDeg_f32	4.5999999
k_ShiftLevRevTime_Sec_f32	0.245000005
k_StandstillThresh_Kph_f32	2.44000006
k_StandstillTime_Sec_f32	0.245000005
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	1.14999998
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-635.109985
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	607
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	4.9000001
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	285
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	294.799988
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.129999995
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-5.9000001

Name	Input Value		
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1		

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	3	3	✔
TrqOvlSta_ESCState_State_M_enum	3	3	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	37150	37150 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	23554	23554 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-3.24532008	-3.24532008 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	3	3 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	3	3	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.129999995	0.129999995 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.129999995	0.129999995 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.365999997	0.365999997 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	30.2460003	30.2460003 ± 0.0009765625	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.52 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	1
TrqOvlSta_ESCState_State_M_enum	4
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	322275
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	40320
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	64392
TrqOvlSta_HapticState_State_M_enum	0
TrqOvlSta_Hapticdur_Cnt_M_u16	24860
TrqOvlSta_Haptictime_Sec_M_f32	60530
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-6.9000001
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.00125584798
TrqOvlSta_LKAFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_u08	4
TrqOvlSta_LKAState_State_M_enum	4
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	60.5999985
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
k_APAIncludeHaptic_Cnt_lgc	0
k_APAMaxHwTrqTime_Sec_f32	0.649999976
k_APAMaxHwTrq_HwNm_f32	4.96000004
k_APAMaxVehSpd_Kph_f32	111.599998
k_ESCMaxVehSpd_Kph_f32	139.699997
k_HapticAmplitude_MtrNm_f32	0.372000009
k_HapticDuration_Sec_f32	0.930000007
k_HapticFreq_Hz_f32	30.7600002
k_HapticReacttime_Sec_f32	0.991999984
k_LKAMaxVehSpd_Kph_f32	117.800003
k_LKAMinVehSpd_Kph_f32	108.5
k_MaxHapticReqTime_Sec_f32	0.944999993
k_SWARLimiter_HwDeg_f32	4.9000001
k_ShiftLevRevTime_Sec_f32	0.248999998
k_StandstillThresh_Kph_f32	2.48000002
k_StandstillTime_Sec_f32	0.248999998

Name	Input Value
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	1.29999995
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-625.01001
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	611.940002
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	5.0999999
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	289.899994
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	299.700012
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.140000001
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-4.30000019
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	322275	322275 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	24860	24860 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	60530	60530 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-6.88493013	-6.88492966 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	4	4 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	4	4	✔

Name	Actual Value	Expected Value	Result
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	60.5999985	60.5999985 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	60.5999985	60.5999985 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.372000009	0.372000009 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	30.7600002	30.7600002 ± 0.0009765625	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.53 (Repeat Count = 1)		✔
Name	**Input Value**
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	2
TrqOvlSta_ESCState_State_M_enum	0
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	356238
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	43490
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	70938
TrqOvlSta_HapticState_State_M_enum	0
TrqOvlSta_Hapticdur_Cnt_M_u16	26166
TrqOvlSta_Haptictime_Sec_M_f32	63535
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-6.55000019
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.715390444
TrqOvlSta_LKAFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_u08	4
TrqOvlSta_LKAState_State_M_enum	2
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	61.7000008
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
k_APAIncludeHaptic_Cnt_lgc	1
k_APAMaxHwTrqTime_Sec_f32	0.660000026
k_APAMaxHwTrq_HwNm_f32	5.03999996
k_APAMaxVehSpd_Kph_f32	113.400002
k_ESCMaxVehSpd_Kph_f32	142.100006
k_HapticAmplitude_MtrNm_f32	0.377999991
k_HapticDuration_Sec_f32	0.944999993
k_HapticFreq_Hz_f32	31.2740002
k_HapticReacttime_Sec_f32	1.00800002
k_LKAMaxVehSpd_Kph_f32	119.699997
k_LKAMinVehSpd_Kph_f32	110.25
k_MaxHapticReqTime_Sec_f32	0.959999979
k_SWARLimiter_HwDeg_f32	5.19999981
k_ShiftLevRevTime_Sec_f32	0.252999991
k_StandstillThresh_Kph_f32	2.51999998
k_StandstillTime_Sec_f32	0.252999991
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	1.45000005
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-614.909973
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	616.880005
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	5.30000019
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	294.799988
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	304.600006
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.150000006
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-2.70000005
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	0	0	✔
TrqOvlSta_ESCState_State_M_enum	3	3	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	26166	26166 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	63535	63535 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	1.92737675	1.92737687 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	4	4 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	3	3	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.150000006	0.150000006 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.150000006	0.150000006 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.377999991	0.377999991 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	31.2740002	31.2740002 ± 0.0009765625	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.54 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	3
TrqOvlSta_ESCState_State_M_enum	1
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	390201
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	46660
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	77484
TrqOvlSta_HapticState_State_M_enum	0
TrqOvlSta_Hapticdur_Cnt_M_u16	27472
TrqOvlSta_Haptictime_Sec_M_f32	66540.6328
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-6.19999981
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0500000007
TrqOvlSta_LKAFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	1
TrqOvlSta_LKAState_State_M_enum	1
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	62.7999992
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0
k_APAIncludeHaptic_Cnt_lgc	1
k_APAMaxHwTrqTime_Sec_f32	0.670000017
k_APAMaxHwTrq_HwNm_f32	5.11999989
k_APAMaxVehSpd_Kph_f32	115.199997
k_ESCMaxVehSpd_Kph_f32	144.5
k_HapticAmplitude_MtrNm_f32	0.384000003
k_HapticDuration_Sec_f32	0.959999979
k_HapticFreq_Hz_f32	31.7880001
k_HapticReacttime_Sec_f32	1.02400005
k_LKAMaxVehSpd_Kph_f32	121.599998
k_LKAMinVehSpd_Kph_f32	112
k_MaxHapticReqTime_Sec_f32	0.975000024
k_SWARLimiter_HwDeg_f32	5.5
k_ShiftLevRevTime_Sec_f32	0.256999999
k_StandstillThresh_Kph_f32	2.55999994
k_StandstillTime_Sec_f32	0.256999999
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	1.60000002
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-604.809998
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	621.820007
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	5.5
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	299.700012
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	309.5
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.159999996
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-1.10000002
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	390201	390201 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	46660	46660 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	27472	27472 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-5.61499977	-5.61499977 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	1	1 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	4	4	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	62.7999992	62.7999992 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	62.7999992	62.7999992 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.384000003	0.384000003 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	31.7880001	31.7880001 ± 0.0009765625	✔

Test Step Call Trace   ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.55 (Repeat Count = 1)   ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	4
TrqOvlSta_ESCState_State_M_enum	2

Name	Input Value
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	424164
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	48750.6406
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	84030
TrqOvlSta_HapticState_State_M_enum	0
TrqOvlSta_Hapticdur_Cnt_M_u16	28778
TrqOvlSta_Haptictime_Sec_M_f32	69545
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-5.8499999
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.287
TrqOvlSta_LKAFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	0
TrqOvlSta_LKAState_State_M_enum	0
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	63.9000015
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0
k_APAIncludeHaptic_Cnt_lgc	0
k_APAMaxHwTrqTime_Sec_f32	0.680000007
k_APAMaxHwTrq_HwNm_f32	5.19999981
k_APAMaxVehSpd_Kph_f32	117
k_ESCMaxVehSpd_Kph_f32	146.899994
k_HapticAmplitude_MtrNm_f32	0.389999986
k_HapticDuration_Sec_f32	0.975000024
k_HapticFreq_Hz_f32	32.3019981
k_HapticReacttime_Sec_f32	1.03999996
k_LKAMaxVehSpd_Kph_f32	123.5
k_LKAMinVehSpd_Kph_f32	113.75
k_MaxHapticReqTime_Sec_f32	0.99000001
k_SWARLimiter_HwDeg_f32	5.80000019
k_ShiftLevRevTime_Sec_f32	0.261000007
k_StandstillThresh_Kph_f32	2.5999999
k_StandstillTime_Sec_f32	0.261000007
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	1.75
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-594.710022
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	626.76001
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1

Name	Input Value
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	5.69999981
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	0.5
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	314.399994
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.170000002
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	0.5
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✓
TrqOvlSta_ESCState_State_M_enum	3	3	✓
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✓
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	48750.6406	48750.6406 ± 1	✓
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	84030	84030 ± 1	✓
TrqOvlSta_HapticState_State_M_enum	0	0	✓
TrqOvlSta_Hapticdur_Cnt_M_u16	28778	28778 ± 1	✓
TrqOvlSta_Haptictime_Sec_M_f32	69545	69545 ± 1	✓
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-2.53515005	-2.53515005 ± 0.000009	✓
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✓
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✓
TrqOvlSta_LKAPermFault_Cnt_M_u08	0	0 ± 1	✓
TrqOvlSta_LKAState_State_M_enum	2	2	✓
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.170000002	0.170000002 ± 0.0009765625	✓
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✓
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✓
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✓
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✓
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✓
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	2	2	✓
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✓
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.170000002	0.170000002 ± 0.0009765625	✓
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.389999986	0.389999986 ± 0.0009765625	✓
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✓
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	32.3019981	32.3019981 ± 0.0009765625	✓

Test Step Call Trace					✓
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached		1	✓
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection		1	✓
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached		1	✓

Test Step 2.56 (Repeat Count = 1)	✓
Name	**Input Value**
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	2
TrqOvlSta_ESCState_State_M_enum	3
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	458127
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	49550.3203
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	90576
TrqOvlSta_HapticState_State_M_enum	1
TrqOvlSta_Hapticdur_Cnt_M_u16	30084
TrqOvlSta_Haptictime_Sec_M_f32	72550
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-5.5
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.298000008
TrqOvlSta_LKAFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_u08	2
TrqOvlSta_LKAState_State_M_enum	2
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	65
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
k_APAIncludeHaptic_Cnt_lgc	0

Name	Input Value
k_APAMaxHwTrqTime_Sec_f32	0.689999998
k_APAMaxHwTrq_HwNm_f32	5.28000021
k_APAMaxVehSpd_Kph_f32	118.800003
k_ESCMaxVehSpd_Kph_f32	149.300003
k_HapticAmplitude_MtrNm_f32	0.395999998
k_HapticDuration_Sec_f32	0.99000001
k_HapticFreq_Hz_f32	32.8160019
k_HapticReacttime_Sec_f32	1.05599999
k_LKAMaxVehSpd_Kph_f32	125.400002
k_LKAMinVehSpd_Kph_f32	115.5
k_MaxHapticReqTime_Sec_f32	0.100000001
k_SWARLimiter_HwDeg_f32	6.0999999
k_ShiftLevRevTime_Sec_f32	0.264999986
k_StandstillThresh_Kph_f32	2.6400001
k_StandstillTime_Sec_f32	0.264999986
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	1.89999998
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-584.609985
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	631.700012
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	5.9000001
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	309.5
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	319.299988
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.180000007
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	2.0999999

Name	Input Value		
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0		

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	1	1	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	30084	30084 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	72550	72550 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-5.5	-5.5 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	2 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	4	4	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	65	65 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	1	1	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	65	65 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.395999998	0.395999998 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	32.8160019	32.8160019 ± 0.0009765625	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached		1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection		1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached		1	✔

Test Step 2.57 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	1	
TrqOvlSta_ESCState_State_M_enum	4	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	492090	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	50350	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	97122	
TrqOvlSta_HapticState_State_M_enum	0	
TrqOvlSta_Hapticdur_Cnt_M_u16	31390	
TrqOvlSta_Haptictime_Sec_M_f32	75555.5781	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-5.1500001	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.308999985	
TrqOvlSta_LKAFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_u08	3	
TrqOvlSta_LKAState_State_M_enum	1	
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	66.0999985	
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	
k_APAIncludeHaptic_Cnt_lgc	1	
k_APAMaxHwTrqTime_Sec_f32	0.699999988	
k_APAMaxHwTrq_HwNm_f32	5.36000013	
k_APAMaxVehSpd_Kph_f32	120.599998	
k_ESCMaxVehSpd_Kph_f32	151.699997	
k_HapticAmplitude_MtrNm_f32	0.40200001	
k_HapticDuration_Sec_f32	1.005	
k_HapticFreq_Hz_f32	33.3300018	
k_HapticReacttime_Sec_f32	1.07200003	
k_LKAMaxVehSpd_Kph_f32	127.300003	
k_LKAMinVehSpd_Kph_f32	117.25	
k_MaxHapticReqTime_Sec_f32	0.200000003	
k_SWARLimiter_HwDeg_f32	6.4000001	
k_ShiftLevRevTime_Sec_f32	0.268999994	
k_StandstillThresh_Kph_f32	2.68000007	
k_StandstillTime_Sec_f32	0.268999994	

Name	Input Value
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	2.04999995
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-574.51001
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	636.640015
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	6.0999999
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	314.399994
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	324.200012
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.189999998
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	3.70000005
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	0	0	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	50350	50350 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	31390	31390 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-1.67375016	-1.67375004 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	4	4 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	3	3	✔

Name	Actual Value	Expected Value	Result
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.189999998	0.189999998 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.189999998	0.189999998 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.40200001	0.40200001 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	33.3300018	33.3300018 ± 0.0009765625	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.58 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	2
TrqOvlSta_ESCState_State_M_enum	0
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	526053
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	51149.6797
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	103668
TrqOvlSta_HapticState_State_M_enum	2
TrqOvlSta_Hapticdur_Cnt_M_u16	32696
TrqOvlSta_Haptictime_Sec_M_f32	78560
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-4.80000019
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.319999993
TrqOvlSta_LKAFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_u08	1
TrqOvlSta_LKAState_State_M_enum	1
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	67.1999969
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
k_APAIncludeHaptic_Cnt_lgc	0
k_APAMaxHwTrqTime_Sec_f32	0.709999979
k_APAMaxHwTrq_HwNm_f32	5.44000006
k_APAMaxVehSpd_Kph_f32	122.400002
k_ESCMaxVehSpd_Kph_f32	154.100006
k_HapticAmplitude_MtrNm_f32	0.407999992
k_HapticDuration_Sec_f32	1.01999998
k_HapticFreq_Hz_f32	33.8440018
k_HapticReacttime_Sec_f32	1.08800006
k_LKAMaxVehSpd_Kph_f32	129.199997
k_LKAMinVehSpd_Kph_f32	119
k_MaxHapticReqTime_Sec_f32	0.300000012
k_SWARLimiter_HwDeg_f32	6.69999981
k_ShiftLevRevTime_Sec_f32	0.273000002
k_StandstillThresh_Kph_f32	2.72000003
k_StandstillTime_Sec_f32	0.273000002
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	2.20000005
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-564.409973
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	641.580017
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	6.30000019
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	319.299988
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	329.100006
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.100000001
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	5.30000019
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	51149.6797	51149.6797 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	2	2	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	32696	32696 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-4.80000019	-4.80000019 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	1	1 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	4	4	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	67.1999969	67.1999969 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	2	2	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	67.1999969	67.1999969 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.407999992	0.407999992 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	33.8440018	33.8440018 ± 0.0009765625	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.59 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	1
TrqOvlSta_ESCState_State_M_enum	1
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	560016
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	51949.3594
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	110214
TrqOvlSta_HapticState_State_M_enum	1
TrqOvlSta_Hapticdur_Cnt_M_u16	34002
TrqOvlSta_Haptictime_Sec_M_f32	81565.6406
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-4.44999981
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.331
TrqOvlSta_LKAFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	0
TrqOvlSta_LKAState_State_M_enum	0
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	68.3000031
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0
k_APAIncludeHaptic_Cnt_lgc	1
k_APAMaxHwTrqTime_Sec_f32	0.720000029
k_APAMaxHwTrq_HwNm_f32	5.51999998
k_APAMaxVehSpd_Kph_f32	124.199997
k_ESCMaxVehSpd_Kph_f32	156.5
k_HapticAmplitude_MtrNm_f32	0.414000005
k_HapticDuration_Sec_f32	1.03499997
k_HapticFreq_Hz_f32	34.3580017
k_HapticReacttime_Sec_f32	1.10399997
k_LKAMaxVehSpd_Kph_f32	131.100006
k_LKAMinVehSpd_Kph_f32	120.75
k_MaxHapticReqTime_Sec_f32	0.400000006
k_SWARLimiter_HwDeg_f32	7
k_ShiftLevRevTime_Sec_f32	0.27700001
k_StandstillThresh_Kph_f32	2.75999999
k_StandstillTime_Sec_f32	0.27700001
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	2.3499999
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-554.309998
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	646.52002
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	6.5
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	324.200012
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	334
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.109999999
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	6.9000001
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	0	0	✔
TrqOvlSta_ESCState_State_M_enum	3	3	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	34002	34002 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	81565.6406	81565.6406 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-4.44999981	-4.44999981 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	1	1 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	0	0	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.109999999	0.109999999 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.109999999	0.109999999 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.414000005	0.414000005 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	34.3580017	34.3580017 ± 0.0009765625	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.60 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	0
TrqOvlSta_ESCState_State_M_enum	2

Name	Input Value
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	593979
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	52749.0391
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	116760
TrqOvlSta_HapticState_State_M_enum	1
TrqOvlSta_Hapticdur_Cnt_M_u16	35308
TrqOvlSta_Haptictime_Sec_M_f32	84570
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-4.0999999
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.342000008
TrqOvlSta_LKAFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_u08	4
TrqOvlSta_LKAState_State_M_enum	4
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	69.4000015
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
k_APAIncludeHaptic_Cnt_lgc	0
k_APAMaxHwTrqTime_Sec_f32	0.730000019
k_APAMaxHwTrq_HwNm_f32	5.5999999
k_APAMaxVehSpd_Kph_f32	126
k_ESCMaxVehSpd_Kph_f32	158.899994
k_HapticAmplitude_MtrNm_f32	0.419999987
k_HapticDuration_Sec_f32	1.04999995
k_HapticFreq_Hz_f32	34.8720016
k_HapticReacttime_Sec_f32	1.12
k_LKAMaxVehSpd_Kph_f32	133
k_LKAMinVehSpd_Kph_f32	122.5
k_MaxHapticReqTime_Sec_f32	0.5
k_SWARLimiter_HwDeg_f32	7.30000019
k_ShiftLevRevTime_Sec_f32	0.280999988
k_StandstillThresh_Kph_f32	2.79999995
k_StandstillTime_Sec_f32	0.280999988
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	2.5
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-544.210022
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	651.460022
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0

Name	Input Value
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	6.69999981
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	0.5
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	338.899994
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.119999997
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	8.5
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRev_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	116760	116760 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	1	1	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	35308	35308 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-4.0999999	-4.0999999 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	4	4 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	4	4	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	69.4000015	69.4000015 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	1	1	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	69.4000015	69.4000015 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.419999987	0.419999987 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	34.8720016	34.8720016 ± 0.0009765625	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached		1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection		1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached		1	✔

Test Step 2.61 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	1	
TrqOvlSta_ESCState_State_M_enum	3	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	627942	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	53548.7188	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	123306	
TrqOvlSta_HapticState_State_M_enum	2	
TrqOvlSta_Hapticdur_Cnt_M_u16	36614	
TrqOvlSta_Haptictime_Sec_M_f32	87575	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-3.75	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.352999985	
TrqOvlSta_LKAFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	
TrqOvlSta_LKAState_State_M_enum	2	
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	70.5	
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	
k_APAIncludeHaptic_Cnt_lgc	1	

Name	Input Value
k_APAMaxHwTrqTime_Sec_f32	0.74000001
k_APAMaxHwTrq_HwNm_f32	5.67999983
k_APAMaxVehSpd_Kph_f32	127.800003
k_ESCMaxVehSpd_Kph_f32	161.300003
k_HapticAmplitude_MtrNm_f32	0.425999999
k_HapticDuration_Sec_f32	1.06500006
k_HapticFreq_Hz_f32	35.3860016
k_HapticReacttime_Sec_f32	1.13600004
k_LKAMaxVehSpd_Kph_f32	134.899994
k_LKAMinVehSpd_Kph_f32	124.25
k_MaxHapticReqTime_Sec_f32	0.600000024
k_SWARLimiter_HwDeg_f32	7.5999999
k_ShiftLevRevTime_Sec_f32	0.284999996
k_StandstillThresh_Kph_f32	2.83999991
k_StandstillTime_Sec_f32	0.284999996
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	2.6500001
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-534.109985
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	656.400024
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	6.9000001
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	334
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	343.799988
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.129999995
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	10.1000004

Name	Input Value		
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1		

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	0	0	✔
TrqOvlSta_ESCState_State_M_enum	3	3	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	53548.7188	53548.7188 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	36614	36614 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-3.75	-3.75 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	3	3 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	3	3	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.129999995	0.129999995 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.129999995	0.129999995 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.425999999	0.425999999 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	35.3860016	35.3860016 ± 0.0009765625	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached		1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection		1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached		1	✔

Test Step 2.62 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	1	
TrqOvlSta_ESCState_State_M_enum	2	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	797757	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	57547.1211	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	156036	
TrqOvlSta_HapticState_State_M_enum	0	
TrqOvlSta_Hapticdur_Cnt_M_u16	43144	
TrqOvlSta_Haptictime_Sec_M_f32	102600	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-2	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.407999992	
TrqOvlSta_LKAFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_u08	1	
TrqOvlSta_LKAState_State_M_enum	2	
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	74.9000015	
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	
k_APAIncludeHaptic_Cnt_lgc	1	
k_APAMaxHwTrqTime_Sec_f32	0.779999971	
k_APAMaxHwTrq_HwNm_f32	6.07999992	
k_APAMaxVehSpd_Kph_f32	136.800003	
k_ESCMaxVehSpd_Kph_f32	170.899994	
k_HapticAmplitude_MtrNm_f32	0.456	
k_HapticDuration_Sec_f32	1.13999999	
k_HapticFreq_Hz_f32	37.4420013	
k_HapticReacttime_Sec_f32	1.21599996	
k_LKAMaxVehSpd_Kph_f32	144.399994	
k_LKAMinVehSpd_Kph_f32	133	
k_MaxHapticReqTime_Sec_f32	0.5	
k_SWARLimiter_HwDeg_f32	8.80000019	
k_ShiftLevRevTime_Sec_f32	0.305000007	
k_StandstillThresh_Kph_f32	3.03999996	
k_StandstillTime_Sec_f32	0.305000007	

Name	Input Value
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	3.4000001
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-524.01001
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	661.340027
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	7.9000001
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	353.600006
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	363.399994
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.170000002
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	16.5
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	0	0	✔
TrqOvlSta_ESCState_State_M_enum	3	3	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	57547.1211	57547.1211 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	43144	43144 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	2.03919983	2.03920007 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	2 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	2	2	✔

Name	Actual Value	Expected Value	Result
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.170000002	0.170000002 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	2	2	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.170000002	0.170000002 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.456	0.456 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	37.4420013	37.4420013 ± 0.0009765625	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔	
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔	

Test Step 2.63 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	1	
TrqOvlSta_ESCState_State_M_enum	3	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	831720	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	58346.8008	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	162582	
TrqOvlSta_HapticState_State_M_enum	0	
TrqOvlSta_Hapticdur_Cnt_M_u16	44450	
TrqOvlSta_Haptictime_Sec_M_f32	105605	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-1.64999998	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.419	
TrqOvlSta_LKAFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	
TrqOvlSta_LKAState_State_M_enum	3	
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	76	
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	
k_APAIncludeHaptic_Cnt_lgc	1	
k_APAMaxHwTrqTime_Sec_f32	0.790000021	
k_APAMaxHwTrq_HwNm_f32	6.15999985	
k_APAMaxVehSpd_Kph_f32	138.600006	
k_ESCMaxVehSpd_Kph_f32	173.300003	
k_HapticAmplitude_MtrNm_f32	0.462000012	
k_HapticDuration_Sec_f32	1.15499997	
k_HapticFreq_Hz_f32	37.9560013	
k_HapticReacttime_Sec_f32	1.23199999	
k_LKAMaxVehSpd_Kph_f32	146.300003	
k_LKAMinVehSpd_Kph_f32	134.75	
k_MaxHapticReqTime_Sec_f32	0.600000024	
k_SWARLimiter_HwDeg_f32	9.10000038	
k_ShiftLevRevTime_Sec_f32	0.308999985	
k_StandstillThresh_Kph_f32	3.07999992	
k_StandstillTime_Sec_f32	0.308999985	
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	3.54999995	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum	

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-513.909973
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	666.280029
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	8.10000038
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	358.5
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	368.299988
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.180000007
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	18.1000004
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	44450	44450 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	2.43524981	2.43525004 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	2 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	4	4	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	76	76 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	76	76 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.462000012	0.462000012 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	37.9560013	37.9560013 ± 0.0009765625	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.64 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	1
TrqOvlSta_ESCState_State_M_enum	4
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	865683
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	59146.4805
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	169128
TrqOvlSta_HapticState_State_M_enum	1
TrqOvlSta_Hapticdur_Cnt_M_u16	0
TrqOvlSta_Haptictime_Sec_M_f32	108610.617
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-2
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.407999992
TrqOvlSta_LKAFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	1
TrqOvlSta_LKAState_State_M_enum	2
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	77.0999985
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
k_APAIncludeHaptic_Cnt_lgc	1
k_APAMaxHwTrqTime_Sec_f32	0.800000012
k_APAMaxHwTrq_HwNm_f32	6.07999992
k_APAMaxVehSpd_Kph_f32	136.800003
k_ESCMaxVehSpd_Kph_f32	175.699997
k_HapticAmplitude_MtrNm_f32	0.456
k_HapticDuration_Sec_f32	1.13999999
k_HapticFreq_Hz_f32	38.4700012
k_HapticReacttime_Sec_f32	1.21599996
k_LKAMaxVehSpd_Kph_f32	144.399994
k_LKAMinVehSpd_Kph_f32	133
k_MaxHapticReqTime_Sec_f32	0.5
k_SWARLimiter_HwDeg_f32	9.39999962
k_ShiftLevRevTime_Sec_f32	0.305000007
k_StandstillThresh_Kph_f32	3.03999996
k_StandstillTime_Sec_f32	0.305000007
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	3.4000001
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-503.809998
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	671.219971
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	7.9000001
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	363.399994
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	373.200012
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.189999998
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	19.7000008
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	0	0	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	59146.4805	59146.4805 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	0	0 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-2	-2 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	2 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	2	2	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.189999998	0.189999998 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	2	2	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.189999998	0.189999998 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.456	0.456 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	38.4700012	38.4700012 ± 0.0009765625	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.65 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	1
TrqOvlSta_ESCState_State_M_enum	0

Name	Input Value
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	899646
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	59946.1602
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	175674
TrqOvlSta_HapticState_State_M_enum	1
TrqOvlSta_Hapticdur_Cnt_M_u16	65535
TrqOvlSta_Haptictime_Sec_M_f32	111615
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-1.64999998
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.419
TrqOvlSta_LKAFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	2
TrqOvlSta_LKAState_State_M_enum	3
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	78.1999969
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
k_APAIncludeHaptic_Cnt_lgc	1
k_APAMaxHwTrqTime_Sec_f32	0.810000002
k_APAMaxHwTrq_HwNm_f32	6.15999985
k_APAMaxVehSpd_Kph_f32	138.600006
k_ESCMaxVehSpd_Kph_f32	178.100006
k_HapticAmplitude_MtrNm_f32	0.462000012
k_HapticDuration_Sec_f32	1.15499997
k_HapticFreq_Hz_f32	38.9840012
k_HapticReacttime_Sec_f32	1.23199999
k_LKAMaxVehSpd_Kph_f32	146.300003
k_LKAMinVehSpd_Kph_f32	134.75
k_MaxHapticReqTime_Sec_f32	0.600000024
k_SWARLimiter_HwDeg_f32	9.69999981
k_ShiftLevRevTime_Sec_f32	0.308999985
k_StandstillThresh_Kph_f32	3.07999992
k_StandstillTime_Sec_f32	0.308999985
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	3.54999995
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-493.709991
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	676.159973
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0

Name	Input Value
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	8.10000038
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	0.5
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	378.100006
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.100000001
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	21.2999992
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	59946.1602	59946.1602 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	175674	175674 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	1	1	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	65535	65535 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-1.64999998	-1.64999998 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	2 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	4	4	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	78.1999969	78.1999969 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	1	1	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	78.1999969	78.1999969 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.462000012	0.462000012 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	38.9840012	38.9840012 ± 0.0009765625	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.66 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	1	
TrqOvlSta_ESCState_State_M_enum	1	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	933609	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	60745.8398	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	182220	
TrqOvlSta_HapticState_State_M_enum	1	
TrqOvlSta_Hapticdur_Cnt_M_u16	35640	
TrqOvlSta_Haptictime_Sec_M_f32	114620	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-1.64999998	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.419	
TrqOvlSta_LKAFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	
TrqOvlSta_LKAState_State_M_enum	3	
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	79.3000031	
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	
k_APAIncludeHaptic_Cnt_lgc	1	

Name	Input Value
k_APAMaxHwTrqTime_Sec_f32	0.819999993
k_APAMaxHwTrq_HwNm_f32	6.15999985
k_APAMaxVehSpd_Kph_f32	138.600006
k_ESCMaxVehSpd_Kph_f32	11.3000002
k_HapticAmplitude_MtrNm_f32	0.462000012
k_HapticDuration_Sec_f32	1.15499997
k_HapticFreq_Hz_f32	39.4980011
k_HapticReacttime_Sec_f32	1.23199999
k_LKAMaxVehSpd_Kph_f32	146.300003
k_LKAMinVehSpd_Kph_f32	134.75
k_MaxHapticReqTime_Sec_f32	0.600000024
k_SWARLimiter_HwDeg_f32	10
k_ShiftLevRevTime_Sec_f32	0.308999985
k_StandstillThresh_Kph_f32	3.07999992
k_StandstillTime_Sec_f32	0.308999985
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	3.54999995
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-483.609985
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	681.099976
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	8.10000038
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	373.200012
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	383
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.109999999
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	22.8999996

Name	Input Value		
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1		

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	0	0	✓
TrqOvlSta_ESCState_State_M_enum	3	3	✓
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✓
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	60745.8398	60745.8398 ± 1	✓
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✓
TrqOvlSta_HapticState_State_M_enum	0	0	✓
TrqOvlSta_Hapticdur_Cnt_M_u16	35640	35640 ± 1	✓
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✓
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-1.64999998	-1.64999998 ± 0.000009	✓
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✓
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✓
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	2 ± 1	✓
TrqOvlSta_LKAState_State_M_enum	3	3	✓
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.109999999	0.109999999 ± 0.0009765625	✓
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✓
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✓
tgt_TrqOvlSta_Per1_APAState_State_enum.value	0	0	✓
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✓
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✓
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	3	3	✓
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✓
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.109999999	0.109999999 ± 0.0009765625	✓
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.462000012	0.462000012 ± 0.0009765625	✓
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✓
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	39.4980011	39.4980011 ± 0.0009765625	✓

Test Step Call Trace					✓
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached		1	✓
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection		1	✓
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached		1	✓

Test Step 2.67 (Repeat Count = 1)		✓
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	1	
TrqOvlSta_ESCState_State_M_enum	2	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	967572	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	61545.5195	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	188766	
TrqOvlSta_HapticState_State_M_enum	2	
TrqOvlSta_Hapticdur_Cnt_M_u16	49674	
TrqOvlSta_Haptictime_Sec_M_f32	117625.852	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-0.25	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.463	
TrqOvlSta_LKAFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_u08	1	
TrqOvlSta_LKAState_State_M_enum	2	
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	80.4000015	
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	
k_APAIncludeHaptic_Cnt_lgc	1	
k_APAMaxHwTrqTime_Sec_f32	0.829999983	
k_APAMaxHwTrq_HwNm_f32	6.48000002	
k_APAMaxVehSpd_Kph_f32	145.800003	
k_ESCMaxVehSpd_Kph_f32	16.3999996	
k_HapticAmplitude_MtrNm_f32	0.486000001	
k_HapticDuration_Sec_f32	1.21500003	
k_HapticFreq_Hz_f32	40.012001	
k_HapticReacttime_Sec_f32	1.296	
k_LKAMaxVehSpd_Kph_f32	153.899994	
k_LKAMinVehSpd_Kph_f32	141.75	
k_MaxHapticReqTime_Sec_f32	0	
k_SWARLimiter_HwDeg_f32	10.3000002	
k_ShiftLevRevTime_Sec_f32	0.324999988	
k_StandstillThresh_Kph_f32	3.24000001	
k_StandstillTime_Sec_f32	0.324999988	

Name	Input Value
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	4.1500001
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-473.51001
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	686.039978
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	-8.60000038
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	378.100006
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	387.899994
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.119999997
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	24.5
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	2	2	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	49674	49674 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	117625.852	117625.852 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-0.25	-0.25 ± 0.0000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	2 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	4	4	✔

Name	Actual Value	Expected Value	Result
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	80.4000015	80.4000015 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	2	2	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	80.4000015	80.4000015 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.486000001	0.486000001 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	40.012001	40.012001 ± 0.0009765625	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached		1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection		1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached		1	✔

Test Step 2.68 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	2	
TrqOvlSta_ESCState_State_M_enum	3	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	1001535	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	62345.1992	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	195312	
TrqOvlSta_HapticState_State_M_enum	1	
TrqOvlSta_Hapticdur_Cnt_M_u16	50980	
TrqOvlSta_Haptictime_Sec_M_f32	120630	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0.100000001	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.474000007	
TrqOvlSta_LKAFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_u08	0	
TrqOvlSta_LKAState_State_M_enum	1	
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	81.5	
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	
k_APAIncludeHaptic_Cnt_lgc	0	
k_APAMaxHwTrqTime_Sec_f32	0.839999974	
k_APAMaxHwTrq_HwNm_f32	6.55999994	
k_APAMaxVehSpd_Kph_f32	147.600006	
k_ESCMaxVehSpd_Kph_f32	21.5	
k_HapticAmplitude_MtrNm_f32	0.492000014	
k_HapticDuration_Sec_f32	1.23000002	
k_HapticFreq_Hz_f32	40.526001	
k_HapticReacttime_Sec_f32	1.31200004	
k_LKAMaxVehSpd_Kph_f32	155.800003	
k_LKAMinVehSpd_Kph_f32	143.5	
k_MaxHapticReqTime_Sec_f32	1	
k_SWARLimiter_HwDeg_f32	10.6000004	
k_ShiftLevRevTime_Sec_f32	0.328999996	
k_StandstillThresh_Kph_f32	3.27999997	
k_StandstillTime_Sec_f32	0.328999996	
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	4.30000019	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum	

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-463.410004
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	690.97998
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	-8.10000038
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	383
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	392.799988
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.129999995
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	26.1000004
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	0	0	✔
TrqOvlSta_ESCState_State_M_enum	3	3	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	62345.1992	62345.1992 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	1	1	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	50980	50980 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	120630	120630 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0.100000001	0.100000001 ± 0.0000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	1	1 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	0	0	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.129999995	0.129999995 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	1	1	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.129999995	0.129999995 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.492000014	0.492000014 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	40.526001	40.526001 ± 0.0009765625	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.69 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	3	
TrqOvlSta_ESCState_State_M_enum	4	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	1035498	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	63144.8789	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	201858	
TrqOvlSta_HapticState_State_M_enum	2	
TrqOvlSta_Hapticdur_Cnt_M_u16	52286	
TrqOvlSta_Haptictime_Sec_M_f32	123635	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0.449999988	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.485000014	
TrqOvlSta_LKAFault_Cnt_M_lgc	1	
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	
TrqOvlSta_LKAState_State_M_enum	0	
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	82.5999985	
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	
k_APAIncludeHaptic_Cnt_lgc	1	
k_APAMaxHwTrqTime_Sec_f32	0.850000024	
k_APAMaxHwTrq_HwNm_f32	6.63999987	
k_APAMaxVehSpd_Kph_f32	149.399994	
k_ESCMaxVehSpd_Kph_f32	26.6000004	
k_HapticAmplitude_MtrNm_f32	0.497999996	
k_HapticDuration_Sec_f32	1.245	
k_HapticFreq_Hz_f32	41.0400009	
k_HapticReacttime_Sec_f32	1.32799995	
k_LKAMaxVehSpd_Kph_f32	157.699997	
k_LKAMinVehSpd_Kph_f32	145.25	
k_MaxHapticReqTime_Sec_f32	0.5	
k_SWARLimiter_HwDeg_f32	10.8999996	
k_ShiftLevRevTime_Sec_f32	0.333000004	
k_StandstillThresh_Kph_f32	3.31999993	
k_StandstillTime_Sec_f32	0.333000004	
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	4.44999981	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-453.309998
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	695.919983
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	-7.5999999
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	387.899994
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	397.700012
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.140000001
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	27.7000008
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	63144.8789	63144.8789 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	2	2	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	52286	52286 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	123635	123635 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0.449999988	0.449999988 ± 0.0000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	2 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	4	4	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	82.5999985	82.5999985 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	2	2	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	82.5999985	82.5999985 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.497999996	0.497999996 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	41.0400009	41.0400009 ± 0.0009765625	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.70 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	4	
TrqOvlSta_ESCState_State_M_enum	0	

Name	Input Value
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	1069461
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	63944.5586
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	208404
TrqOvlSta_HapticState_State_M_enum	1
TrqOvlSta_Hapticdur_Cnt_M_u16	53592
TrqOvlSta_Haptictime_Sec_M_f32	126640.641
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0.800000012
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.495999992
TrqOvlSta_LKAFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	3
TrqOvlSta_LKAState_State_M_enum	1
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	83.6999969
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0
k_APAIncludeHaptic_Cnt_lgc	0
k_APAMaxHwTrqTime_Sec_f32	0.860000014
k_APAMaxHwTrq_HwNm_f32	6.71999979
k_APAMaxVehSpd_Kph_f32	151.199997
k_ESCMaxVehSpd_Kph_f32	31.7000008
k_HapticAmplitude_MtrNm_f32	0.504000008
k_HapticDuration_Sec_f32	1.25999999
k_HapticFreq_Hz_f32	41.5540009
k_HapticReacttime_Sec_f32	1.34399998
k_LKAMaxVehSpd_Kph_f32	159.600006
k_LKAMinVehSpd_Kph_f32	147
k_MaxHapticReqTime_Sec_f32	0.600000024
k_SWARLimiter_HwDeg_f32	11.1999998
k_ShiftLevRevTime_Sec_f32	0
k_StandstillThresh_Kph_f32	3.3599999
k_StandstillTime_Sec_f32	0.100000001
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	4.5999999
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-443.209991
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	700.859985
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1

Name	Input Value
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	-7.0999999
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	0.5
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	402.600006
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.150000006
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	29.2999992
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✔
TrqOvlSta_ESCState_State_M_enum	3	3	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	63944.5586	63944.5586 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	208404	208404 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	1	1	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	53592	53592 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	126640.641	126640.641 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0.800000012	0.800000012 ± 0.0000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	4	4 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	3	3	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.150000006	0.150000006 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	1	1	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.150000006	0.150000006 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.504000008	0.504000008 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	41.5540009	41.5540009 ± 0.0009765625	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached		1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection		1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached		1	✔

Test Step 2.71 (Repeat Count = 1)	✔
Name	**Input Value**
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	2
TrqOvlSta_ESCState_State_M_enum	1
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	1103424
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	64744.2383
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	214950
TrqOvlSta_HapticState_State_M_enum	2
TrqOvlSta_Hapticdur_Cnt_M_u16	54898
TrqOvlSta_Haptictime_Sec_M_f32	129645
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	1.14999998
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.507000029
TrqOvlSta_LKAFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_u08	1
TrqOvlSta_LKAState_State_M_enum	0
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	84.8000031
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
k_APAIncludeHaptic_Cnt_lgc	1

Name	Input Value
k_APAMaxHwTrqTime_Sec_f32	0.870000005
k_APAMaxHwTrq_HwNm_f32	6.80000019
k_APAMaxVehSpd_Kph_f32	153
k_ESCMaxVehSpd_Kph_f32	36.7999992
k_HapticAmplitude_MtrNm_f32	0.50999999
k_HapticDuration_Sec_f32	1.27499998
k_HapticFreq_Hz_f32	42.0680008
k_HapticReacttime_Sec_f32	1.36000001
k_LKAMaxVehSpd_Kph_f32	161.5
k_LKAMinVehSpd_Kph_f32	148.75
k_MaxHapticReqTime_Sec_f32	0.699999988
k_SWARLimiter_HwDeg_f32	11.5
k_ShiftLevRevTime_Sec_f32	0.5
k_StandstillThresh_Kph_f32	3.4000001
k_StandstillTime_Sec_f32	0.479999989
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	4.75
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-433.109985
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	705.799988
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	-6.5999999
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	397.700012
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	407.5
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.159999996
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	30.8999996

TEST DETAILS REPORT

TrqOvlSta_Per1

Name	Input Value		
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1		

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	64744.2383	64744.2383 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	2	2	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	54898	54898 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	1.14999998	1.14999998 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	1	1 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	4	4	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	84.8000031	84.8000031 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	2	2	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	84.8000031	84.8000031 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.50999999	0.50999999 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	42.0680008	42.0680008 ± 0.0009765625	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.72 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	1
TrqOvlSta_ESCState_State_M_enum	2
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	1137387
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	65543.9219
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	221496
TrqOvlSta_HapticState_State_M_enum	1
TrqOvlSta_Hapticdur_Cnt_M_u16	56204
TrqOvlSta_Haptictime_Sec_M_f32	132650
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	1.5
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.518000007
TrqOvlSta_LKAFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	2
TrqOvlSta_LKAState_State_M_enum	2
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	85.9000015
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0
k_APAIncludeHaptic_Cnt_lgc	0
k_APAMaxHwTrqTime_Sec_f32	0.879999995
k_APAMaxHwTrq_HwNm_f32	6.88000011
k_APAMaxVehSpd_Kph_f32	154.800003
k_ESCMaxVehSpd_Kph_f32	41.9000015
k_HapticAmplitude_MtrNm_f32	0.515999973
k_HapticDuration_Sec_f32	1.28999996
k_HapticFreq_Hz_f32	42.5820007
k_HapticReacttime_Sec_f32	1.37600005
k_LKAMaxVehSpd_Kph_f32	163.399994
k_LKAMinVehSpd_Kph_f32	150.5
k_MaxHapticReqTime_Sec_f32	0.800000012
k_SWARLimiter_HwDeg_f32	11.8000002
k_ShiftLevRevTime_Sec_f32	0.300000012
k_StandstillThresh_Kph_f32	3.44000006
k_StandstillTime_Sec_f32	0.349999994

Name	Input Value
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	4.9000001
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-423.01001
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	710.73999
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	-6.0999999
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	402.600006
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	412.399994
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.170000002
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	32.5
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	0	0	✔
TrqOvlSta_ESCState_State_M_enum	3	3	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	65543.9219	65543.9219 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	56204	56204 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	1.5	1.5 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	2 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	2	2	✔

TEST DETAILS REPORT

TrqOvlSta_Per1

Razorcat

Name	Actual Value	Expected Value	Result
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.170000002	0.170000002 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	2	2	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.170000002	0.170000002 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.515999973	0.515999973 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	42.5820007	42.5820007 ± 0.0009765625	✔

Test Step Call Trace   ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.73 (Repeat Count = 1)   ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	2
TrqOvlSta_ESCState_State_M_enum	3
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	1171350
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	66343.6016
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	228042
TrqOvlSta_HapticState_State_M_enum	0
TrqOvlSta_Hapticdur_Cnt_M_u16	57510
TrqOvlSta_Haptictime_Sec_M_f32	135655.938
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	1.85000002
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.528999984
TrqOvlSta_LKAFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_u08	3
TrqOvlSta_LKAState_State_M_enum	4
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	87
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
k_APAIncludeHaptic_Cnt_lgc	0
k_APAMaxHwTrqTime_Sec_f32	0.889999986
k_APAMaxHwTrq_HwNm_f32	6.96000004
k_APAMaxVehSpd_Kph_f32	156.600006
k_ESCMaxVehSpd_Kph_f32	47
k_HapticAmplitude_MtrNm_f32	0.522000015
k_HapticDuration_Sec_f32	1.30499995
k_HapticFreq_Hz_f32	98.5240021
k_HapticReacttime_Sec_f32	1.39199996
k_LKAMaxVehSpd_Kph_f32	165.300003
k_LKAMinVehSpd_Kph_f32	152.25
k_MaxHapticReqTime_Sec_f32	0.899999976
k_SWARLimiter_HwDeg_f32	12.1000004
k_ShiftLevRevTime_Sec_f32	0.360000014
k_StandstillThresh_Kph_f32	0
k_StandstillTime_Sec_f32	0.360000014
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	5.05000019
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-412.910004
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	715.679993
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	-5.5999999
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	407.5
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	417.299988
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.180000007
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-33.0999985
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	57510	57510 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	135655.938	135655.938 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-2.09104967	-2.09104991 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	3	3 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	4	4	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	87	87 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	87	87 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.522000015	0.522000015 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	98.5240021	98.5240021 ± 0.0009765625	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.74 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	1
TrqOvlSta_ESCState_State_M_enum	4
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	1205313
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	67143.2813
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	234588
TrqOvlSta_HapticState_State_M_enum	1
TrqOvlSta_Hapticdur_Cnt_M_u16	58816
TrqOvlSta_Haptictime_Sec_M_f32	138660
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-6.9000001
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.540000021
TrqOvlSta_LKAFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	3
TrqOvlSta_LKAState_State_M_enum	1
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	88.0999985
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0
k_APAIncludeHaptic_Cnt_lgc	1
k_APAMaxHwTrqTime_Sec_f32	0.899999976
k_APAMaxHwTrq_HwNm_f32	7.03999996
k_APAMaxVehSpd_Kph_f32	158.399994
k_ESCMaxVehSpd_Kph_f32	52.0999985
k_HapticAmplitude_MtrNm_f32	0.527999997
k_HapticDuration_Sec_f32	1.32000005
k_HapticFreq_Hz_f32	85
k_HapticReacttime_Sec_f32	1.40799999
k_LKAMaxVehSpd_Kph_f32	167.199997
k_LKAMinVehSpd_Kph_f32	154
k_MaxHapticReqTime_Sec_f32	0.0149999997
k_SWARLimiter_HwDeg_f32	12.3999996
k_ShiftLevRevTime_Sec_f32	0.00100000005
k_StandstillThresh_Kph_f32	5
k_StandstillTime_Sec_f32	0.00100000005
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	5.19999981
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-402.809998
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	720.619995
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	4.69999981
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	412.399994
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	422.200012
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.189999998
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-31.5
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	0	0	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	58816	58816 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-6.9000001	-6.9000001 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	3	3 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	0	0	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.189999998	0.189999998 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.189999998	0.189999998 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.527999997	0.527999997 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	85	85 ± 0.0009765625	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.75 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	0
TrqOvlSta_ESCState_State_M_enum	0

Name	Input Value
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	1239276
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	67942.9609
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	241134
TrqOvlSta_HapticState_State_M_enum	2
TrqOvlSta_Hapticdur_Cnt_M_u16	60122
TrqOvlSta_Haptictime_Sec_M_f32	141665
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-6.55000019
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.550999999
TrqOvlSta_LKAFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_u08	1
TrqOvlSta_LKAState_State_M_enum	2
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	89.1999969
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
k_APAIncludeHaptic_Cnt_lgc	1
k_APAMaxHwTrqTime_Sec_f32	0.910000026
k_APAMaxHwTrq_HwNm_f32	7.11999989
k_APAMaxVehSpd_Kph_f32	160.199997
k_ESCMaxVehSpd_Kph_f32	57.2000008
k_HapticAmplitude_MtrNm_f32	0.533999979
k_HapticDuration_Sec_f32	1.33500004
k_HapticFreq_Hz_f32	72.697998
k_HapticReacttime_Sec_f32	1.42400002
k_LKAMaxVehSpd_Kph_f32	169.100006
k_LKAMinVehSpd_Kph_f32	155.75
k_MaxHapticReqTime_Sec_f32	0.0299999993
k_SWARLimiter_HwDeg_f32	12.6999998
k_ShiftLevRevTime_Sec_f32	0.00499999989
k_StandstillThresh_Kph_f32	3.5
k_StandstillTime_Sec_f32	0.00499999989
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	5.3499999
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-392.709991
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	725.559998
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0

Name	Input Value
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	4.9000001
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	0.5
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	427.100006
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.100000001
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-29.8999996
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✓
TrqOvlSta_ESCState_State_M_enum	4	4	✓
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✓
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	67942.9609	67942.9609 ± 1	✓
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	241134	241134 ± 1	✓
TrqOvlSta_HapticState_State_M_enum	2	2	✓
TrqOvlSta_Hapticdur_Cnt_M_u16	60122	60122 ± 1	✓
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✓
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-6.55000019	-6.55000019 ± 0.000009	✓
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✓
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✓
TrqOvlSta_LKAPermFault_Cnt_M_u08	1	1 ± 1	✓
TrqOvlSta_LKAState_State_M_enum	4	4	✓
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	89.1999969	89.1999969 ± 0.0009765625	✓
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✓
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✓
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✓
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✓
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	2	2	✓
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	✓
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✓
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	89.1999969	89.1999969 ± 0.0009765625	✓
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.533999979	0.533999979 ± 0.0009765625	✓
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✓
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	72.697998	72.697998 ± 0.0009765625	✓

Test Step Call Trace					✓
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached		1	✓
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection		1	✓
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached		1	✓

Test Step 2.76 (Repeat Count = 1)	✓
Name	**Input Value**
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	1
TrqOvlSta_ESCState_State_M_enum	1
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	1273239
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	68742.6406
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	247680
TrqOvlSta_HapticState_State_M_enum	1
TrqOvlSta_Hapticdur_Cnt_M_u16	61428
TrqOvlSta_Haptictime_Sec_M_f32	144670
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-6.19999981
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.561999977
TrqOvlSta_LKAFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	2
TrqOvlSta_LKAState_State_M_enum	4
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	10.1999998
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
k_APAIncludeHaptic_Cnt_lgc	1

Name	Input Value
k_APAMaxHwTrqTime_Sec_f32	0.920000017
k_APAMaxHwTrq_HwNm_f32	7.19999981
k_APAMaxVehSpd_Kph_f32	162
k_ESCMaxVehSpd_Kph_f32	62.2999992
k_HapticAmplitude_MtrNm_f32	0.540000021
k_HapticDuration_Sec_f32	1.35000002
k_HapticFreq_Hz_f32	44.6380005
k_HapticReacttime_Sec_f32	1.44000006
k_LKAMaxVehSpd_Kph_f32	171
k_LKAMinVehSpd_Kph_f32	157.5
k_MaxHapticReqTime_Sec_f32	0.0450000018
k_SWARLimiter_HwDeg_f32	13
k_ShiftLevRevTime_Sec_f32	0.00899999961
k_StandstillThresh_Kph_f32	3.5999999
k_StandstillTime_Sec_f32	0
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	5.5
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-382.609985
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	730.5
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	5.0999999
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	422.200012
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	432
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.109999999
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-28.2999992

Name	Input Value		
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0		

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	3	3	✔
TrqOvlSta_ESCState_State_M_enum	3	3	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	61428	61428 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	144670	144670 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-6.19999981	-6.19999981 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	2 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	4	4	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.109999999	0.109999999 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.109999999	0.109999999 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.540000021	0.540000021 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	44.6380005	44.6380005 ± 0.0009765625	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached		1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection		1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached		1	✔

Test Step 2.77 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	2	
TrqOvlSta_ESCState_State_M_enum	2	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	1307202	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	69542.3203	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	254226	
TrqOvlSta_HapticState_State_M_enum	2	
TrqOvlSta_Hapticdur_Cnt_M_u16	62734	
TrqOvlSta_Haptictime_Sec_M_f32	147675.844	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-5.8499999	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.573000014	
TrqOvlSta_LKAFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	
TrqOvlSta_LKAPermFault_Cnt_M_u08	3	
TrqOvlSta_LKAState_State_M_enum	2	
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	11.6000004	
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	
k_APAIncludeHaptic_Cnt_lgc	1	
k_APAMaxHwTrqTime_Sec_f32	0.930000007	
k_APAMaxHwTrq_HwNm_f32	7.28000021	
k_APAMaxVehSpd_Kph_f32	163.800003	
k_ESCMaxVehSpd_Kph_f32	67.4000015	
k_HapticAmplitude_MtrNm_f32	0.546000004	
k_HapticDuration_Sec_f32	1.36500001	
k_HapticFreq_Hz_f32	45.1520004	
k_HapticReacttime_Sec_f32	1.45599997	
k_LKAMaxVehSpd_Kph_f32	172.899994	
k_LKAMinVehSpd_Kph_f32	159.25	
k_MaxHapticReqTime_Sec_f32	0.0599999987	
k_SWARLimiter_HwDeg_f32	13.3000002	
k_ShiftLevRevTime_Sec_f32	0.0130000003	
k_StandstillThresh_Kph_f32	3.6400001	
k_StandstillTime_Sec_f32	0.5	

Name	Input Value
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	5.6500001
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-372.51001
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	735.440002
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	5.30000019
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	427.100006
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	436.899994
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.119999997
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-26.7000008
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	2	2	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	62734	62734 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	147675.844	147675.844 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-5.8499999	-5.8499999 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	3	3 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	4	4	✔

Name	Actual Value	Expected Value	Result
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	11.6000004	11.6000004 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	2	2	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	11.6000004	11.6000004 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.546000004	0.546000004 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	45.1520004	45.1520004 ± 0.0009765625	✔

Test Step Call Trace   ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.78 (Repeat Count = 1)   ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	3
TrqOvlSta_ESCState_State_M_enum	3
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	1341165
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	70342
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	260772
TrqOvlSta_HapticState_State_M_enum	1
TrqOvlSta_Hapticdur_Cnt_M_u16	64040
TrqOvlSta_Haptictime_Sec_M_f32	150680
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-5.5
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.583999991
TrqOvlSta_LKAFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_u08	4
TrqOvlSta_LKAState_State_M_enum	1
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	13
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0
k_APAIncludeHaptic_Cnt_lgc	1
k_APAMaxHwTrqTime_Sec_f32	0.939999998
k_APAMaxHwTrq_HwNm_f32	7.36000013
k_APAMaxVehSpd_Kph_f32	165.600006
k_ESCMaxVehSpd_Kph_f32	72.5
k_HapticAmplitude_MtrNm_f32	0.551999986
k_HapticDuration_Sec_f32	1.38
k_HapticFreq_Hz_f32	45.6660004
k_HapticReacttime_Sec_f32	1.472
k_LKAMaxVehSpd_Kph_f32	174.800003
k_LKAMinVehSpd_Kph_f32	161
k_MaxHapticReqTime_Sec_f32	0.075000003
k_SWARLimiter_HwDeg_f32	13.6000004
k_ShiftLevRevTime_Sec_f32	0.0170000009
k_StandstillThresh_Kph_f32	3.68000007
k_StandstillTime_Sec_f32	0.300000012
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	5.80000019
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-362.410004
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	740.380005
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	5.5
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	432
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	441.799988
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.129999995
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-25.1000004
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	3	3	✔
TrqOvlSta_ESCState_State_M_enum	3	3	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	70342	70342 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	1	1	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	64040	64040 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-5.5	-5.5 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	4	4 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	3	3	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.129999995	0.129999995 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	1	1	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.129999995	0.129999995 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.551999986	0.551999986 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	45.6660004	45.6660004 ± 0.0009765625	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.79 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	4
TrqOvlSta_ESCState_State_M_enum	4
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	1375128
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	71141.6797
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	267318
TrqOvlSta_HapticState_State_M_enum	0
TrqOvlSta_Hapticdur_Cnt_M_u16	65346
TrqOvlSta_Haptictime_Sec_M_f32	153685.688
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-5.1500001
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.595000029
TrqOvlSta_LKAFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_u08	4
TrqOvlSta_LKAState_State_M_enum	0
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	14.3999996
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0
k_APAIncludeHaptic_Cnt_lgc	0
k_APAMaxHwTrqTime_Sec_f32	0.949999988
k_APAMaxHwTrq_HwNm_f32	0
k_APAMaxVehSpd_Kph_f32	167.399994
k_ESCMaxVehSpd_Kph_f32	77.5999985
k_HapticAmplitude_MtrNm_f32	0.558000028
k_HapticDuration_Sec_f32	1.39499998
k_HapticFreq_Hz_f32	46.1800003
k_HapticReacttime_Sec_f32	1.48800004
k_LKAMaxVehSpd_Kph_f32	176.699997
k_LKAMinVehSpd_Kph_f32	162.75
k_MaxHapticReqTime_Sec_f32	0.0900000036
k_SWARLimiter_HwDeg_f32	13.8999996
k_ShiftLevRevTime_Sec_f32	0.0209999997
k_StandstillThresh_Kph_f32	3.72000003
k_StandstillTime_Sec_f32	0.0209999997
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	5.94999981
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-1140.10999
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	745.320007
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	5.69999981
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	436.899994
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	446.700012
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.140000001
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-23.5
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	1375128	1375128 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	71141.6797	71141.6797 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	65346	65346 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	153685.688	153685.688 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	1.30575037	1.30575001 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	4	4 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	4	4	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	14.3999996	14.3999996 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	14.3999996	14.3999996 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.558000028	0.558000028 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	46.1800003	46.1800003 ± 0.0009765625	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.80 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	2
TrqOvlSta_ESCState_State_M_enum	0

Name	Input Value
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	1409091
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	71941.3594
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	273864
TrqOvlSta_HapticState_State_M_enum	1
TrqOvlSta_Hapticdur_Cnt_M_u16	1000
TrqOvlSta_Haptictime_Sec_M_f32	156690
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-4.80000019
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.606000006
TrqOvlSta_LKAFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_u08	1
TrqOvlSta_LKAState_State_M_enum	2
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	15.8000002
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
k_APAIncludeHaptic_Cnt_lgc	0
k_APAMaxHwTrqTime_Sec_f32	0.959999979
k_APAMaxHwTrq_HwNm_f32	10
k_APAMaxVehSpd_Kph_f32	169.199997
k_ESCMaxVehSpd_Kph_f32	82.6999969
k_HapticAmplitude_MtrNm_f32	0.56400001
k_HapticDuration_Sec_f32	1.40999997
k_HapticFreq_Hz_f32	46.6940002
k_HapticReacttime_Sec_f32	1.50399995
k_LKAMaxVehSpd_Kph_f32	178.600006
k_LKAMinVehSpd_Kph_f32	164.5
k_MaxHapticReqTime_Sec_f32	0.104999997
k_SWARLimiter_HwDeg_f32	14.1999998
k_ShiftLevRevTime_Sec_f32	0.0250000004
k_StandstillThresh_Kph_f32	3.75999999
k_StandstillTime_Sec_f32	0.0250000004
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	6.0999999
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-1130.01001
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	750.26001
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1

Name	Input Value
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	5.9000001
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	0.5
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	451.600006
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.150000006
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-21.8999996
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	1	1	✔
TrqOvlSta_ESCState_State_M_enum	3	3	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRev_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	273864	273864 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	1	1	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	1000	1000 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	156690	156690 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-4.80000019	-4.80000019 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	1	1 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	3	3	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.150000006	0.150000006 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	1	1	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	1	1	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.150000006	0.150000006 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.56400001	0.56400001 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	46.6940002	46.6940002 ± 0.0009765625	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.81 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	1
TrqOvlSta_ESCState_State_M_enum	1
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	1443054
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	72741.0391
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	280410
TrqOvlSta_HapticState_State_M_enum	0
TrqOvlSta_Hapticdur_Cnt_M_u16	3000
TrqOvlSta_Haptictime_Sec_M_f32	159695.766
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-4.44999981
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.616999984
TrqOvlSta_LKAFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	0
TrqOvlSta_LKAState_State_M_enum	1
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	17.2000008
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0
k_APAIncludeHaptic_Cnt_lgc	1

Name	Input Value
k_APAMaxHwTrqTime_Sec_f32	0.970000029
k_APAMaxHwTrq_HwNm_f32	7.6500001
k_APAMaxVehSpd_Kph_f32	171
k_ESCMaxVehSpd_Kph_f32	87.8000031
k_HapticAmplitude_MtrNm_f32	0.569999993
k_HapticDuration_Sec_f32	1.42499995
k_HapticFreq_Hz_f32	47.2080002
k_HapticReacttime_Sec_f32	1.51999998
k_LKAMaxVehSpd_Kph_f32	180.5
k_LKAMinVehSpd_Kph_f32	166.25
k_MaxHapticReqTime_Sec_f32	0.119999997
k_SWARLimiter_HwDeg_f32	14.5
k_ShiftLevRevTime_Sec_f32	0.0289999992
k_StandstillThresh_Kph_f32	3.79999995
k_StandstillTime_Sec_f32	0.0289999992
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	6.25
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-1119.91003
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	755.200012
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	6.0999999
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	446.700012
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	456.5
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.159999996
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-20.2999992

Name	Input Value		
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1		

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	72741.0391	72741.0391 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	3000	3000 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	2.05934954	2.05935001 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	1	1 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	4	4	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	17.2000008	17.2000008 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	17.2000008	17.2000008 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.569999993	0.569999993 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	47.2080002	47.2080002 ± 0.0009765625	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached		1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection		1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached		1	✔

Test Step 2.82 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	2	
TrqOvlSta_ESCState_State_M_enum	2	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	1477017	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	73540.7188	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	286956	
TrqOvlSta_HapticState_State_M_enum	0	
TrqOvlSta_Hapticdur_Cnt_M_u16	5000	
TrqOvlSta_Haptictime_Sec_M_f32	162700	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-4.0999999	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.628000021	
TrqOvlSta_LKAFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	
TrqOvlSta_LKAState_State_M_enum	1	
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	18.6000004	
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	
k_APAIncludeHaptic_Cnt_lgc	0	
k_APAMaxHwTrqTime_Sec_f32	0	
k_APAMaxHwTrq_HwNm_f32	0.699999988	
k_APAMaxVehSpd_Kph_f32	172.800003	
k_ESCMaxVehSpd_Kph_f32	92.9000015	
k_HapticAmplitude_MtrNm_f32	0.575999975	
k_HapticDuration_Sec_f32	1.44000006	
k_HapticFreq_Hz_f32	47.7220001	
k_HapticReacttime_Sec_f32	1.53600001	
k_LKAMaxVehSpd_Kph_f32	182.399994	
k_LKAMinVehSpd_Kph_f32	168	
k_MaxHapticReqTime_Sec_f32	0.135000005	
k_SWARLimiter_HwDeg_f32	14.8000002	
k_ShiftLevRevTime_Sec_f32	0.0329999998	
k_StandstillThresh_Kph_f32	3.83999991	
k_StandstillTime_Sec_f32	0.0329999998	

Name	Input Value
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	6.4000001
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-1109.81006
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	760.140015
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	6.30000019
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	451.600006
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	461.399994
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.170000002
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-18.7000008
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	3	3	✔
TrqOvlSta_ESCState_State_M_enum	3	3	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	1477017	1477017 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	73540.7188	73540.7188 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	5000	5000 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	2.43120003	2.43120003 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	2 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	3	3	✔

Name	Actual Value	Expected Value	Result
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.170000002	0.170000002 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.170000002	0.170000002 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.575999975	0.575999975 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	47.7220001	47.7220001 ± 0.0009765625	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.83 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	1
TrqOvlSta_ESCState_State_M_enum	3
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	1510980
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	74340.3984
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	293502
TrqOvlSta_HapticState_State_M_enum	0
TrqOvlSta_Hapticdur_Cnt_M_u16	7000
TrqOvlSta_Haptictime_Sec_M_f32	165705
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-3.75
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.638999999
TrqOvlSta_LKAFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	3
TrqOvlSta_LKAState_State_M_enum	0
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	20
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0
k_APAIncludeHaptic_Cnt_lgc	1
k_APAMaxHwTrqTime_Sec_f32	1
k_APAMaxHwTrq_HwNm_f32	1.10000002
k_APAMaxVehSpd_Kph_f32	174.600006
k_ESCMaxVehSpd_Kph_f32	98
k_HapticAmplitude_MtrNm_f32	0.582000017
k_HapticDuration_Sec_f32	1.45500004
k_HapticFreq_Hz_f32	48.2360001
k_HapticReacttime_Sec_f32	1.55200005
k_LKAMaxVehSpd_Kph_f32	184.300003
k_LKAMinVehSpd_Kph_f32	169.75
k_MaxHapticReqTime_Sec_f32	0.150000006
k_SWARLimiter_HwDeg_f32	15.1000004
k_ShiftLevRevTime_Sec_f32	0.0370000005
k_StandstillThresh_Kph_f32	3.88000011
k_StandstillTime_Sec_f32	0.0370000005
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	6.55000019
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-1099.70996
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	765.080017
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	6.5
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	456.5
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	466.299988
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.180000007
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-17.1000004
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	1510980	1510980 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	7000	7000 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	165705	165705 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	2.79974985	2.79975009 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	3	3 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	4	4	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	20	20 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	20	20 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.582000017	0.582000017 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	48.2360001	48.2360001 ± 0.0009765625	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.84 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	0
TrqOvlSta_ESCState_State_M_enum	4
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	1544943
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	75140.0781
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	300048
TrqOvlSta_HapticState_State_M_enum	0
TrqOvlSta_Hapticdur_Cnt_M_u16	9000
TrqOvlSta_Haptictime_Sec_M_f32	168710.594
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-3.4000001
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.649999976
TrqOvlSta_LKAFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	0
TrqOvlSta_LKAState_State_M_enum	4
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	21.3999996
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
k_APAIncludeHaptic_Cnt_lgc	0
k_APAMaxHwTrqTime_Sec_f32	0.550000012
k_APAMaxHwTrq_HwNm_f32	2
k_APAMaxVehSpd_Kph_f32	176.399994
k_ESCMaxVehSpd_Kph_f32	103.099998
k_HapticAmplitude_MtrNm_f32	0.588
k_HapticDuration_Sec_f32	1.47000003
k_HapticFreq_Hz_f32	48.75
k_HapticReacttime_Sec_f32	1.56799996
k_LKAMaxVehSpd_Kph_f32	186.199997
k_LKAMinVehSpd_Kph_f32	171.5
k_MaxHapticReqTime_Sec_f32	0.165000007
k_SWARLimiter_HwDeg_f32	15.3999996
k_ShiftLevRevTime_Sec_f32	0.0410000011
k_StandstillThresh_Kph_f32	3.92000008
k_StandstillTime_Sec_f32	0.0410000011
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	6.69999981
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-1089.60999
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	770.02002
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	6.69999981
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	461.399994
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	471.200012
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.189999998
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-15.5
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	3	3	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	1544943	1544943 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	9000	9000 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	3.16499996	3.16499996 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	1	1 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	4	4	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.189999998	0.189999998 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.189999998	0.189999998 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.588	0.588 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	48.75	48.75 ± 0.0009765625	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.85 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	0
TrqOvlSta_ESCState_State_M_enum	0

Name	Input Value
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	1578906
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	75939.7578
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	306594
TrqOvlSta_HapticState_State_M_enum	2
TrqOvlSta_Hapticdur_Cnt_M_u16	11000
TrqOvlSta_Haptictime_Sec_M_f32	171715
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-3.04999995
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.661000013
TrqOvlSta_LKAFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_u08	2
TrqOvlSta_LKAState_State_M_enum	2
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	22.7999992
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0
k_APAIncludeHaptic_Cnt_lgc	1
k_APAMaxHwTrqTime_Sec_f32	0.980000019
k_APAMaxHwTrq_HwNm_f32	7.92000008
k_APAMaxVehSpd_Kph_f32	0
k_ESCMaxVehSpd_Kph_f32	108.199997
k_HapticAmplitude_MtrNm_f32	0.593999982
k_HapticDuration_Sec_f32	1.48500001
k_HapticFreq_Hz_f32	49.2639999
k_HapticReacttime_Sec_f32	1.58399999
k_LKAMaxVehSpd_Kph_f32	188.100006
k_LKAMinVehSpd_Kph_f32	173.25
k_MaxHapticReqTime_Sec_f32	0.180000007
k_SWARLimiter_HwDeg_f32	15.6999998
k_ShiftLevRevTime_Sec_f32	0.0450000018
k_StandstillThresh_Kph_f32	3.96000004
k_StandstillTime_Sec_f32	0.0450000018
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	6.8499999
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-1079.51001
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	774.960022
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0

Name	Input Value
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	6.9000001
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	0.5
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	476.100006
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.100000001
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-13.8999996
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✓
TrqOvlSta_ESCState_State_M_enum	4	4	✓
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✓
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	75939.7578	75939.7578 ± 1	✓
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	306594	306594 ± 1	✓
TrqOvlSta_HapticState_State_M_enum	2	2	✓
TrqOvlSta_Hapticdur_Cnt_M_u16	11000	11000 ± 1	✓
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✓
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-3.04999995	-3.04999995 ± 0.000009	✓
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✓
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✓
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	2 ± 1	✓
TrqOvlSta_LKAState_State_M_enum	4	4	✓
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	22.7999992	22.7999992 ± 0.0009765625	✓
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✓
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✓
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✓
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✓
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	2	2	✓
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	✓
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✓
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	22.7999992	22.7999992 ± 0.0009765625	✓
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.593999982	0.593999982 ± 0.0009765625	✓
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✓
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	49.2639999	49.2639999 ± 0.0009765625	✓

Test Step Call Trace				✓
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✓
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✓
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✓

Test Step 2.86 (Repeat Count = 1)		✓
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	0	
TrqOvlSta_ESCState_State_M_enum	1	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	1612869	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	76739.4375	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	313140	
TrqOvlSta_HapticState_State_M_enum	1	
TrqOvlSta_Hapticdur_Cnt_M_u16	13000	
TrqOvlSta_Haptictime_Sec_M_f32	174720.641	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-2.70000005	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.671999991	
TrqOvlSta_LKAFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	
TrqOvlSta_LKAPermFault_Cnt_M_u08	1	
TrqOvlSta_LKAState_State_M_enum	1	
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	24.2000008	
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	
k_APAIncludeHaptic_Cnt_lgc	0	

Name	Input Value
k_APAMaxHwTrqTime_Sec_f32	0.99000001
k_APAMaxHwTrq_HwNm_f32	8
k_APAMaxVehSpd_Kph_f32	220
k_ESCMaxVehSpd_Kph_f32	113.300003
k_HapticAmplitude_MtrNm_f32	0.600000024
k_HapticDuration_Sec_f32	1.5
k_HapticFreq_Hz_f32	49.7779999
k_HapticReacttime_Sec_f32	1.60000002
k_LKAMaxVehSpd_Kph_f32	190
k_LKAMinVehSpd_Kph_f32	175
k_MaxHapticReqTime_Sec_f32	0.194999993
k_SWARLimiter_HwDeg_f32	16
k_ShiftLevRevTime_Sec_f32	0.0489999987
k_StandstillThresh_Kph_f32	4
k_StandstillTime_Sec_f32	0.0489999987
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	7
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-1069.41003
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	779.900024
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	7.0999999
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	471.200012
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	481
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.109999999
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-12.3000002

Name	Input Value		
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0		

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	0	0	✔
TrqOvlSta_ESCState_State_M_enum	3	3	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	1	1	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	13000	13000 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	174720.641	174720.641 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-2.70000005	-2.70000005 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	1	1 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	3	3	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.109999999	0.109999999 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	1	1	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.109999999	0.109999999 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.600000024	0.600000024 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	49.7779999	49.7779999 ± 0.0009765625	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.87 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	0
TrqOvlSta_ESCState_State_M_enum	2
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	1646832
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	77539.1172
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	319686
TrqOvlSta_HapticState_State_M_enum	2
TrqOvlSta_Hapticdur_Cnt_M_u16	15000
TrqOvlSta_Haptictime_Sec_M_f32	177725
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-2.3499999
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.683000028
TrqOvlSta_LKAFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	3
TrqOvlSta_LKAState_State_M_enum	1
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	25.6000004
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
k_APAIncludeHaptic_Cnt_lgc	0
k_APAMaxHwTrqTime_Sec_f32	1
k_APAMaxHwTrq_HwNm_f32	8.07999992
k_APAMaxVehSpd_Kph_f32	100.360001
k_ESCMaxVehSpd_Kph_f32	118.400002
k_HapticAmplitude_MtrNm_f32	0.606000006
k_HapticDuration_Sec_f32	1.51499999
k_HapticFreq_Hz_f32	50.2919998
k_HapticReacttime_Sec_f32	1.61600006
k_LKAMaxVehSpd_Kph_f32	191.899994
k_LKAMinVehSpd_Kph_f32	176.75
k_MaxHapticReqTime_Sec_f32	0.0149999997
k_SWARLimiter_HwDeg_f32	16.2999992
k_ShiftLevRevTime_Sec_f32	0.00100000005
k_StandstillThresh_Kph_f32	4.03999996
k_StandstillTime_Sec_f32	0.00100000005

Name	Input Value
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	7.1500001
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-1059.31006
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	784.840027
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	7.30000019
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	476.100006
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	485.899994
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.119999997
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-10.6999998
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	2	2	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	15000	15000 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-2.3499999	-2.3499999 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	3	3 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	4	4	✔

TEST DETAILS REPORT

TrqOvlSta_Per1 2015-02-04, 12:57:03+0530

Razorcat

Name	Actual Value	Expected Value	Result
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	25.6000004	25.6000004 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	2	2	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	25.6000004	25.6000004 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.606000006	0.606000006 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	50.2919998	50.2919998 ± 0.0009765625	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.88 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	1
TrqOvlSta_ESCState_State_M_enum	3
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	1680795
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	78338.7969
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	326232
TrqOvlSta_HapticState_State_M_enum	1
TrqOvlSta_Hapticdur_Cnt_M_u16	0
TrqOvlSta_Haptictime_Sec_M_f32	180730
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-2
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.407999992
TrqOvlSta_LKAFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	1
TrqOvlSta_LKAState_State_M_enum	2
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	27
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
k_APAIncludeHaptic_Cnt_lgc	1
k_APAMaxHwTrqTime_Sec_f32	0.123000003
k_APAMaxHwTrq_HwNm_f32	6.07999992
k_APAMaxVehSpd_Kph_f32	136.800003
k_ESCMaxVehSpd_Kph_f32	123.5
k_HapticAmplitude_MtrNm_f32	0.456
k_HapticDuration_Sec_f32	0
k_HapticFreq_Hz_f32	50.8059998
k_HapticReacttime_Sec_f32	1.21599996
k_LKAMaxVehSpd_Kph_f32	144.399994
k_LKAMinVehSpd_Kph_f32	133
k_MaxHapticReqTime_Sec_f32	0.5
k_SWARLimiter_HwDeg_f32	16.6000004
k_ShiftLevRevTime_Sec_f32	0.305000007
k_StandstillThresh_Kph_f32	3.03999996
k_StandstillTime_Sec_f32	0.305000007
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	3.4000001
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-1049.20996
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	789.780029
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	7.9000001
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	481
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	490.799988
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.129999995
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-9.10000038
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	0	0	✔
TrqOvlSta_ESCState_State_M_enum	3	3	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	78338.7969	78338.7969 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	0	0 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-2	-2 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	2 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	2	2	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.129999995	0.129999995 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	2	2	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.129999995	0.129999995 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.456	0.456 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	50.8059998	50.8059998 ± 0.0009765625	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.89 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	1
TrqOvlSta_ESCState_State_M_enum	4
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	1714758
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	79138.4766
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	332778
TrqOvlSta_HapticState_State_M_enum	1
TrqOvlSta_Hapticdur_Cnt_M_u16	3650
TrqOvlSta_Haptictime_Sec_M_f32	183735
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-1.64999998
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.419
TrqOvlSta_LKAFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	2
TrqOvlSta_LKAState_State_M_enum	3
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	28.3999996
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
k_APAIncludeHaptic_Cnt_lgc	1
k_APAMaxHwTrqTime_Sec_f32	0.134000003
k_APAMaxHwTrq_HwNm_f32	6.15999985
k_APAMaxVehSpd_Kph_f32	138.600006
k_ESCMaxVehSpd_Kph_f32	128.600006
k_HapticAmplitude_MtrNm_f32	0.462000012
k_HapticDuration_Sec_f32	2
k_HapticFreq_Hz_f32	51.3199997
k_HapticReacttime_Sec_f32	1.23199999
k_LKAMaxVehSpd_Kph_f32	146.300003
k_LKAMinVehSpd_Kph_f32	134.75
k_MaxHapticReqTime_Sec_f32	0.600000024
k_SWARLimiter_HwDeg_f32	16.8999996
k_ShiftLevRevTime_Sec_f32	0.308999985
k_StandstillThresh_Kph_f32	3.07999992
k_StandstillTime_Sec_f32	0.308999985
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	3.54999995
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-1039.10999
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	794.719971
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	8.10000038
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	485.899994
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	495.700012
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.140000001
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-7.5
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	79138.4766	79138.4766 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	1	1	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	3650	3650 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-1.64999998	-1.64999998 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	2 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	4	4	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	28.3999996	28.3999996 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	1	1	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	28.3999996	28.3999996 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.462000012	0.462000012 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	51.3199997	51.3199997 ± 0.0009765625	✔

Test Step Call Trace   ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.90 (Repeat Count = 1)   ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	1
TrqOvlSta_ESCState_State_M_enum	0

Name	Input Value
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	1748721
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	79938.1563
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	339324
TrqOvlSta_HapticState_State_M_enum	1
TrqOvlSta_Hapticdur_Cnt_M_u16	25475
TrqOvlSta_Haptictime_Sec_M_f32	186740.953
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-1.64999998
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.419
TrqOvlSta_LKAFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	2
TrqOvlSta_LKAState_State_M_enum	3
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	29.7999992
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
k_APAIncludeHaptic_Cnt_lgc	1
k_APAMaxHwTrqTime_Sec_f32	0.144999996
k_APAMaxHwTrq_HwNm_f32	6.15999985
k_APAMaxVehSpd_Kph_f32	138.600006
k_ESCMaxVehSpd_Kph_f32	133.699997
k_HapticAmplitude_MtrNm_f32	0.462000012
k_HapticDuration_Sec_f32	1.55999994
k_HapticFreq_Hz_f32	51.8339996
k_HapticReacttime_Sec_f32	1.23199999
k_LKAMaxVehSpd_Kph_f32	146.300003
k_LKAMinVehSpd_Kph_f32	134.75
k_MaxHapticReqTime_Sec_f32	0.600000024
k_SWARLimiter_HwDeg_f32	17.2000008
k_ShiftLevRevTime_Sec_f32	0.308999985
k_StandstillThresh_Kph_f32	3.07999992
k_StandstillTime_Sec_f32	0.308999985
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	3.54999995
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-1029.01001
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	799.659973
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1

Name	Input Value
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	8.10000038
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	0.5
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	500.600006
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.150000006
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-5.9000001
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	1	1	✔
TrqOvlSta_ESCState_State_M_enum	3	3	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	79938.1563	79938.1563 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	339324	339324 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	2	2	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	0	0 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-1.64999998	-1.64999998 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	2 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	3	3	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.150000006	0.150000006 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	1	1	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	2	2	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.150000006	0.150000006 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.462000012	0.462000012 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	51.8339996	51.8339996 ± 0.0009765625	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached		1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection		1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached		1	✔

Test Step 2.91 (Repeat Count = 1)	✔
Name	**Input Value**
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	1
TrqOvlSta_ESCState_State_M_enum	1
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	1782684
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	80737.8438
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	345870
TrqOvlSta_HapticState_State_M_enum	2
TrqOvlSta_Hapticdur_Cnt_M_u16	0
TrqOvlSta_Haptictime_Sec_M_f32	189745
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-2
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.407999992
TrqOvlSta_LKAFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	1
TrqOvlSta_LKAState_State_M_enum	2
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	31.2000008
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
k_APAIncludeHaptic_Cnt_lgc	1

Name	Input Value
k_APAMaxHwTrqTime_Sec_f32	0.156000003
k_APAMaxHwTrq_HwNm_f32	6.07999992
k_APAMaxVehSpd_Kph_f32	136.800003
k_ESCMaxVehSpd_Kph_f32	138.800003
k_HapticAmplitude_MtrNm_f32	0.629999995
k_HapticDuration_Sec_f32	0.5
k_HapticFreq_Hz_f32	52.3479996
k_HapticReacttime_Sec_f32	0
k_LKAMaxVehSpd_Kph_f32	199.5
k_LKAMinVehSpd_Kph_f32	183.75
k_MaxHapticReqTime_Sec_f32	0.5
k_SWARLimiter_HwDeg_f32	17.5
k_ShiftLevRevTime_Sec_f32	0.305000007
k_StandstillThresh_Kph_f32	3.03999996
k_StandstillTime_Sec_f32	0.305000007
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	7.75
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-1018.90997
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	804.599976
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	7.9000001
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	495.700012
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	505.5
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.159999996
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-4.30000019

Name	Input Value		
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1		

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	80737.8438	80737.8438 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	2	2	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	0	0 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-2	-2 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	2 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	4	4	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	31.2000008	31.2000008 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	2	2	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	31.2000008	31.2000008 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.629999995	0.629999995 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	52.3479996	52.3479996 ± 0.0009765625	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached		1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection		1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached		1	✔

Test Step 2.92 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	1	
TrqOvlSta_ESCState_State_M_enum	2	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	1816647	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	81537.5234	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	352416	
TrqOvlSta_HapticState_State_M_enum	2	
TrqOvlSta_Hapticdur_Cnt_M_u16	3650	
TrqOvlSta_Haptictime_Sec_M_f32	192750	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-1.64999998	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.419	
TrqOvlSta_LKAFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	
TrqOvlSta_LKAState_State_M_enum	3	
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	32.5999985	
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	
k_APAIncludeHaptic_Cnt_lgc	1	
k_APAMaxHwTrqTime_Sec_f32	0.166999996	
k_APAMaxHwTrq_HwNm_f32	6.15999985	
k_APAMaxVehSpd_Kph_f32	138.600006	
k_ESCMaxVehSpd_Kph_f32	143.899994	
k_HapticAmplitude_MtrNm_f32	0.635999978	
k_HapticDuration_Sec_f32	0.870000005	
k_HapticFreq_Hz_f32	52.8619995	
k_HapticReacttime_Sec_f32	2	
k_LKAMaxVehSpd_Kph_f32	201.399994	
k_LKAMinVehSpd_Kph_f32	185.5	
k_MaxHapticReqTime_Sec_f32	0.600000024	
k_SWARLimiter_HwDeg_f32	17.7999992	
k_ShiftLevRevTime_Sec_f32	0.308999985	
k_StandstillThresh_Kph_f32	3.07999992	
k_StandstillTime_Sec_f32	0.308999985	

Name	Input Value
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	7.9000001
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-1008.81
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	809.539978
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	8.10000038
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	500.600006
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	510.399994
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.170000002
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-2.70000005
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	0	0	✔
TrqOvlSta_ESCState_State_M_enum	3	3	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	81537.5234	81537.5234 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	3650	3650 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-1.64999998	-1.64999998 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	2 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	3	3	✔

Name	Actual Value	Expected Value	Result
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.170000002	0.170000002 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.170000002	0.170000002 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.635999978	0.635999978 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	52.8619995	52.8619995 ± 0.0009765625	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.93 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	1
TrqOvlSta_ESCState_State_M_enum	3
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	1850610
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	82337.2031
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	358962
TrqOvlSta_HapticState_State_M_enum	2
TrqOvlSta_Hapticdur_Cnt_M_u16	25475
TrqOvlSta_Haptictime_Sec_M_f32	195755
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-1.64999998
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.419
TrqOvlSta_LKAFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	2
TrqOvlSta_LKAState_State_M_enum	3
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	34
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
k_APAIncludeHaptic_Cnt_lgc	0
k_APAMaxHwTrqTime_Sec_f32	0.178000003
k_APAMaxHwTrq_HwNm_f32	6.15999985
k_APAMaxVehSpd_Kph_f32	138.600006
k_ESCMaxVehSpd_Kph_f32	149
k_HapticAmplitude_MtrNm_f32	0.64200002
k_HapticDuration_Sec_f32	1.65999997
k_HapticFreq_Hz_f32	53.3759995
k_HapticReacttime_Sec_f32	1.29999995
k_LKAMaxVehSpd_Kph_f32	203.300003
k_LKAMinVehSpd_Kph_f32	187.25
k_MaxHapticReqTime_Sec_f32	0.600000024
k_SWARLimiter_HwDeg_f32	18.1000004
k_ShiftLevRevTime_Sec_f32	0.308999985
k_StandstillThresh_Kph_f32	3.07999992
k_StandstillTime_Sec_f32	0.308999985
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-8
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-998.710022
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	814.47998
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	8.10000038
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	505.5
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	10.3000002
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.180000007
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-1.10000002
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	82337.2031	82337.2031 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	2	2	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	25475	25475 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-1.64999998	-1.64999998 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	2 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	4	4	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	34	34 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	2	2	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	34	34 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.64200002	0.64200002 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	53.3759995	53.3759995 ± 0.0009765625	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.94 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	0
TrqOvlSta_ESCState_State_M_enum	4
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	1884573
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	83136.8828
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	365508
TrqOvlSta_HapticState_State_M_enum	0
TrqOvlSta_Hapticdur_Cnt_M_u16	29000
TrqOvlSta_Haptictime_Sec_M_f32	198760.641
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-5.5
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.419
TrqOvlSta_LKAFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	0
TrqOvlSta_LKAState_State_M_enum	0
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	35.4000015
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
k_APAIncludeHaptic_Cnt_lgc	0
k_APAMaxHwTrqTime_Sec_f32	0.188999996
k_APAMaxHwTrq_HwNm_f32	8.64000034
k_APAMaxVehSpd_Kph_f32	194.399994
k_ESCMaxVehSpd_Kph_f32	154.100006
k_HapticAmplitude_MtrNm_f32	0.648000002
k_HapticDuration_Sec_f32	1.62
k_HapticFreq_Hz_f32	53.8899994
k_HapticReacttime_Sec_f32	1.72800004
k_LKAMaxVehSpd_Kph_f32	205.199997
k_LKAMinVehSpd_Kph_f32	0
k_MaxHapticReqTime_Sec_f32	0.119999997
k_SWARLimiter_HwDeg_f32	18.3999996
k_ShiftLevRevTime_Sec_f32	0.0289999992
k_StandstillThresh_Kph_f32	4.32000017
k_StandstillTime_Sec_f32	0.0289999992
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-7.8499999
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-988.609985
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	819.419983
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	8.69999981
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	510.399994
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	20.6000004
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.189999998
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	0.5
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	3	3	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	83136.8828	83136.8828 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	29000	29000 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	198760.641	198760.641 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0.449800014	0.449800014 ± 0.0000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	0	0 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	0	0	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.189999998	0.189999998 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.189999998	0.189999998 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.648000002	0.648000002 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	53.8899994	53.8899994 ± 0.0009765625	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.95 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	1
TrqOvlSta_ESCState_State_M_enum	0

Name	Input Value
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	1918536
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	83936.5625
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	372054
TrqOvlSta_HapticState_State_M_enum	2
TrqOvlSta_Hapticdur_Cnt_M_u16	31000
TrqOvlSta_Haptictime_Sec_M_f32	201765
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-5.1500001
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.430000007
TrqOvlSta_LKAFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	2
TrqOvlSta_LKAState_State_M_enum	0
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	36.7999992
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0
k_APAIncludeHaptic_Cnt_lgc	1
k_APAMaxHwTrqTime_Sec_f32	0.200000003
k_APAMaxHwTrq_HwNm_f32	8.72000027
k_APAMaxVehSpd_Kph_f32	196.199997
k_ESCMaxVehSpd_Kph_f32	159.199997
k_HapticAmplitude_MtrNm_f32	0.653999984
k_HapticDuration_Sec_f32	1.63499999
k_HapticFreq_Hz_f32	54.4039993
k_HapticReacttime_Sec_f32	1.74399996
k_LKAMaxVehSpd_Kph_f32	207.100006
k_LKAMinVehSpd_Kph_f32	220
k_MaxHapticReqTime_Sec_f32	0.135000005
k_SWARLimiter_HwDeg_f32	18.7000008
k_ShiftLevRevTime_Sec_f32	0.0329999998
k_StandstillThresh_Kph_f32	4.36000013
k_StandstillTime_Sec_f32	0.0329999998
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-7.69999981
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-978.51001
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	824.359985
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0

Name	Input Value
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	-8.60000038
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	0.5
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	30.8999996
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.100000001
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	2.0999999
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRev_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	372054	372054 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	2	2	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	31000	31000 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	201765	201765 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-5.1500001	-5.1500001 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	2 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	4	4	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	36.7999992	36.7999992 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	2	2	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	36.7999992	36.7999992 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.653999984	0.653999984 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	54.4039993	54.4039993 ± 0.0009765625	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached		1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection		1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached		1	✔

Test Step 2.96 (Repeat Count = 1)	✔
Name	**Input Value**
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	2
TrqOvlSta_ESCState_State_M_enum	1
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	1952499
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	84736.2422
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	378600
TrqOvlSta_HapticState_State_M_enum	1
TrqOvlSta_Hapticdur_Cnt_M_u16	33000
TrqOvlSta_Haptictime_Sec_M_f32	204770
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-4.80000019
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.441000015
TrqOvlSta_LKAFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	3
TrqOvlSta_LKAState_State_M_enum	0
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	38.2000008
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
k_APAIncludeHaptic_Cnt_lgc	0

Name	Input Value
k_APAMaxHwTrqTime_Sec_f32	0.210999995
k_APAMaxHwTrq_HwNm_f32	8.80000019
k_APAMaxVehSpd_Kph_f32	198
k_ESCMaxVehSpd_Kph_f32	164.300003
k_HapticAmplitude_MtrNm_f32	0.660000026
k_HapticDuration_Sec_f32	1.64999998
k_HapticFreq_Hz_f32	54.9179993
k_HapticReacttime_Sec_f32	1.75999999
k_LKAMaxVehSpd_Kph_f32	209
k_LKAMinVehSpd_Kph_f32	120.220001
k_MaxHapticReqTime_Sec_f32	0.150000006
k_SWARLimiter_HwDeg_f32	19
k_ShiftLevRevTime_Sec_f32	0.0370000005
k_StandstillThresh_Kph_f32	4.4000001
k_StandstillTime_Sec_f32	0.0370000005
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-7.55000019
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-968.409973
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	829.299988
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	-8.10000038
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	20.6000004
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	41.2000008
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.109999999
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	3.70000005

TEST DETAILS REPORT

2015-02-04, 12:57:03+0530

TrqOvlSta_Per1

Name	Input Value		
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1		

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	2	2	✔
TrqOvlSta_ESCState_State_M_enum	3	3	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	84736.2422	84736.2422 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	1	1	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	33000	33000 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-4.80000019	-4.80000019 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	3	3 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	0	0	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	38.2000008	38.2000008 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	2	2	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	1	1	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	38.2000008	38.2000008 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.660000026	0.660000026 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	54.9179993	54.9179993 ± 0.0009765625	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.97 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	0	
TrqOvlSta_ESCState_State_M_enum	2	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	1986462	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	85535.9219	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	385146	
TrqOvlSta_HapticState_State_M_enum	0	
TrqOvlSta_Hapticdur_Cnt_M_u16	29000	
TrqOvlSta_Haptictime_Sec_M_f32	207775	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-5.5	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.419	
TrqOvlSta_LKAFault_Cnt_M_lgc	1	
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_u08	0	
TrqOvlSta_LKAState_State_M_enum	0	
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	39.5999985	
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	
k_APAIncludeHaptic_Cnt_lgc	1	
k_APAMaxHwTrqTime_Sec_f32	0.222000003	
k_APAMaxHwTrq_HwNm_f32	8.64000034	
k_APAMaxVehSpd_Kph_f32	194.399994	
k_ESCMaxVehSpd_Kph_f32	169.399994	
k_HapticAmplitude_MtrNm_f32	0.666000009	
k_HapticDuration_Sec_f32	1.62	
k_HapticFreq_Hz_f32	55.4319992	
k_HapticReacttime_Sec_f32	1.72800004	
k_LKAMaxVehSpd_Kph_f32	0	
k_LKAMinVehSpd_Kph_f32	194.25	
k_MaxHapticReqTime_Sec_f32	0.119999997	
k_SWARLimiter_HwDeg_f32	19.2999992	
k_ShiftLevRevTime_Sec_f32	0.0289999992	
k_StandstillThresh_Kph_f32	4.32000017	
k_StandstillTime_Sec_f32	0.0289999992	

Name	Input Value
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-7.4000001
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-958.309998
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	834.23999
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	8.69999981
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	30.8999996
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	51.5
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.119999997
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	5.30000019
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	85535.9219	85535.9219 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	29000	29000 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	207775	207775 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0.449800014	0.449800014 ± 0.0000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	0	0 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	4	4	✔

Name	Actual Value	Expected Value	Result
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	39.5999985	39.5999985 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	39.5999985	39.5999985 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.666000009	0.666000009 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	55.4319992	55.4319992 ± 0.0009765625	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.98 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	1
TrqOvlSta_ESCState_State_M_enum	3
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	2020425
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	86335.6016
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	391692
TrqOvlSta_HapticState_State_M_enum	2
TrqOvlSta_Hapticdur_Cnt_M_u16	31000
TrqOvlSta_Haptictime_Sec_M_f32	210780
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-5.1500001
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.430000007
TrqOvlSta_LKAFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	2
TrqOvlSta_LKAState_State_M_enum	0
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	41
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0
k_APAIncludeHaptic_Cnt_lgc	0
k_APAMaxHwTrqTime_Sec_f32	0.232999995
k_APAMaxHwTrq_HwNm_f32	8.72000027
k_APAMaxVehSpd_Kph_f32	196.199997
k_ESCMaxVehSpd_Kph_f32	174.5
k_HapticAmplitude_MtrNm_f32	0.671999991
k_HapticDuration_Sec_f32	1.63499999
k_HapticFreq_Hz_f32	55.9459991
k_HapticReacttime_Sec_f32	1.74399996
k_LKAMaxVehSpd_Kph_f32	220
k_LKAMinVehSpd_Kph_f32	196
k_MaxHapticReqTime_Sec_f32	0.135000005
k_SWARLimiter_HwDeg_f32	19.6000004
k_ShiftLevRevTime_Sec_f32	0.0329999998
k_StandstillThresh_Kph_f32	4.36000013
k_StandstillTime_Sec_f32	0.0329999998
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-7.25
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-948.210022
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	839.179993
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	-8.60000038
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	41.2000008
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	61.7999992
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.129999995
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	6.9000001
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	0	0	✔
TrqOvlSta_ESCState_State_M_enum	3	3	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	31000	31000 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	210780	210780 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-5.1500001	-5.1500001 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	2 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	0	0	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.129999995	0.129999995 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.129999995	0.129999995 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.671999991	0.671999991 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	55.9459991	55.9459991 ± 0.0009765625	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.99 (Repeat Count = 1)	✔
Name	**Input Value**
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	2
TrqOvlSta_ESCState_State_M_enum	4
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	2054388
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	87135.2813
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	398238
TrqOvlSta_HapticState_State_M_enum	1
TrqOvlSta_Hapticdur_Cnt_M_u16	33000
TrqOvlSta_Haptictime_Sec_M_f32	213785
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-4.80000019
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.441000015
TrqOvlSta_LKAFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	3
TrqOvlSta_LKAState_State_M_enum	0
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	42.4000015
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
k_APAIncludeHaptic_Cnt_lgc	1
k_APAMaxHwTrqTime_Sec_f32	0.244000003
k_APAMaxHwTrq_HwNm_f32	8.80000019
k_APAMaxVehSpd_Kph_f32	198
k_ESCMaxVehSpd_Kph_f32	179.600006
k_HapticAmplitude_MtrNm_f32	0.677999973
k_HapticDuration_Sec_f32	1.64999998
k_HapticFreq_Hz_f32	56.4599991
k_HapticReacttime_Sec_f32	1.75999999
k_LKAMaxVehSpd_Kph_f32	105.75
k_LKAMinVehSpd_Kph_f32	197.75
k_MaxHapticReqTime_Sec_f32	0.150000006
k_SWARLimiter_HwDeg_f32	19.8999996
k_ShiftLevRevTime_Sec_f32	0.0370000005
k_StandstillThresh_Kph_f32	4.4000001
k_StandstillTime_Sec_f32	0.0370000005
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-7.0999999
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-938.109985
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	844.119995
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	-8.10000038
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	51.5
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	72.0999985
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.140000001
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	8.5
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	87135.2813	87135.2813 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	1	1	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	33000	33000 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-4.80000019	-4.80000019 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	3	3 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	4	4	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	42.4000015	42.4000015 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	1	1	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	42.4000015	42.4000015 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.677999973	0.677999973 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	56.4599991	56.4599991 ± 0.0009765625	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.100 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	1
TrqOvlSta_ESCState_State_M_enum	0

Name	Input Value
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	2088351
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	87934.9609
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	404784
TrqOvlSta_HapticState_State_M_enum	1
TrqOvlSta_Hapticdur_Cnt_M_u16	41000
TrqOvlSta_Haptictime_Sec_M_f32	216790.344
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-3.4000001
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.485000014
TrqOvlSta_LKAFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_u08	3
TrqOvlSta_LKAState_State_M_enum	2
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	43.7999992
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
k_APAIncludeHaptic_Cnt_lgc	0
k_APAMaxHwTrqTime_Sec_f32	0.254999995
k_APAMaxHwTrq_HwNm_f32	9.11999989
k_APAMaxVehSpd_Kph_f32	205.199997
k_ESCMaxVehSpd_Kph_f32	15.6000004
k_HapticAmplitude_MtrNm_f32	0
k_HapticDuration_Sec_f32	1.71000004
k_HapticFreq_Hz_f32	56.973999
k_HapticReacttime_Sec_f32	1.824
k_LKAMaxVehSpd_Kph_f32	216.600006
k_LKAMinVehSpd_Kph_f32	199.5
k_MaxHapticReqTime_Sec_f32	0.209999993
k_SWARLimiter_HwDeg_f32	20.2000008
k_ShiftLevRevTime_Sec_f32	0.0529999994
k_StandstillThresh_Kph_f32	4.55999994
k_StandstillTime_Sec_f32	0.0529999994
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-6.94999981
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-928.01001
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	849.059998
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1

Name	Input Value
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	-6.0999999
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	0.600000024
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	82.4000015
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.150000006
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	10.1000004
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	1	1	✔
TrqOvlSta_ESCState_State_M_enum	3	3	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	87934.9609	87934.9609 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	404784	404784 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	1	1	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	41000	41000 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-3.4000001	-3.4000001 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	3	3 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	3	3	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.150000006	0.150000006 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	1	1	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	1	1	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.150000006	0.150000006 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0	0 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	56.973999	56.973999 ± 0.0009765625	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached		1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection		1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached		1	✔

Test Step 2.101 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	2	
TrqOvlSta_ESCState_State_M_enum	1	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	2122314	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	88734.6406	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	411330	
TrqOvlSta_HapticState_State_M_enum	0	
TrqOvlSta_Hapticdur_Cnt_M_u16	43000	
TrqOvlSta_Haptictime_Sec_M_f32	219795.688	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-3.04999995	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.495999992	
TrqOvlSta_LKAFault_Cnt_M_lgc	1	
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	
TrqOvlSta_LKAPermFault_Cnt_M_u08	4	
TrqOvlSta_LKAState_State_M_enum	4	
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	45.2000008	
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	
k_APAIncludeHaptic_Cnt_lgc	0	

Name	Input Value
k_APAMaxHwTrqTime_Sec_f32	0.266000003
k_APAMaxHwTrq_HwNm_f32	9.19999981
k_APAMaxVehSpd_Kph_f32	207
k_ESCMaxVehSpd_Kph_f32	19.2999992
k_HapticAmplitude_MtrNm_f32	0.75
k_HapticDuration_Sec_f32	1.72500002
k_HapticFreq_Hz_f32	57.487999
k_HapticReacttime_Sec_f32	1.84000003
k_LKAMaxVehSpd_Kph_f32	218.5
k_LKAMinVehSpd_Kph_f32	201.25
k_MaxHapticReqTime_Sec_f32	0.224999994
k_SWARLimiter_HwDeg_f32	20.5
k_ShiftLevRevTime_Sec_f32	0.057
k_StandstillThresh_Kph_f32	4.5999999
k_StandstillTime_Sec_f32	0.057
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-6.80000019
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-917.909973
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	854
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	-5.5999999
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	72.0999985
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	92.6999969
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.159999996
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	11.6999998

Name	Input Value		
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0		

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	43000	43000 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	219795.688	219795.688 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-4.31479979	-4.31479979 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	4	4 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	4	4	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	45.2000008	45.2000008 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	45.2000008	45.2000008 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.75	0.75 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	57.487999	57.487999 ± 0.0009765625	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached		1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection		1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached		1	✔

Test Step 2.102 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	1	
TrqOvlSta_ESCState_State_M_enum	2	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	2156277	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	89534.3203	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	417876	
TrqOvlSta_HapticState_State_M_enum	2	
TrqOvlSta_Hapticdur_Cnt_M_u16	45000	
TrqOvlSta_Haptictime_Sec_M_f32	222801.016	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-2.70000005	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.507000029	
TrqOvlSta_LKAFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	
TrqOvlSta_LKAState_State_M_enum	2	
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	46.5999985	
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	
k_APAIncludeHaptic_Cnt_lgc	1	
k_APAMaxHwTrqTime_Sec_f32	0.27700001	
k_APAMaxHwTrq_HwNm_f32	9.27999973	
k_APAMaxVehSpd_Kph_f32	208.800003	
k_ESCMaxVehSpd_Kph_f32	23	
k_HapticAmplitude_MtrNm_f32	0.300000012	
k_HapticDuration_Sec_f32	1.74000001	
k_HapticFreq_Hz_f32	58.0019989	
k_HapticReacttime_Sec_f32	1.85599995	
k_LKAMaxVehSpd_Kph_f32	20	
k_LKAMinVehSpd_Kph_f32	203	
k_MaxHapticReqTime_Sec_f32	0.239999995	
k_SWARLimiter_HwDeg_f32	20.7999992	
k_ShiftLevRevTime_Sec_f32	0.0610000007	
k_StandstillThresh_Kph_f32	4.63999987	
k_StandstillTime_Sec_f32	0.0610000007	

Name	Input Value
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-6.6500001
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-907.809998
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	858.940002
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	-8.60000038
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	82.4000015
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	103
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.170000002
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	13.3000002
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	0	0	✔
TrqOvlSta_ESCState_State_M_enum	3	3	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	45000	45000 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	222801.016	222801.016 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-2.70000005	-2.70000005 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	3	3 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	3	3	✔

Name	Actual Value	Expected Value	Result
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.170000002	0.170000002 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.170000002	0.170000002 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.300000012	0.300000012 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	58.0019989	58.0019989 ± 0.0009765625	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.103 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	1
TrqOvlSta_ESCState_State_M_enum	3
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	2190240
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	90334
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	424422
TrqOvlSta_HapticState_State_M_enum	0
TrqOvlSta_Hapticdur_Cnt_M_u16	43000
TrqOvlSta_Haptictime_Sec_M_f32	225806.359
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-3.04999995
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.495999992
TrqOvlSta_LKAFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_u08	4
TrqOvlSta_LKAState_State_M_enum	4
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	48
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
k_APAIncludeHaptic_Cnt_lgc	0
k_APAMaxHwTrqTime_Sec_f32	0.287999988
k_APAMaxHwTrq_HwNm_f32	9.19999981
k_APAMaxVehSpd_Kph_f32	207
k_ESCMaxVehSpd_Kph_f32	26.7000008
k_HapticAmplitude_MtrNm_f32	0.349999994
k_HapticDuration_Sec_f32	1.72500002
k_HapticFreq_Hz_f32	58.5159988
k_HapticReacttime_Sec_f32	1.84000003
k_LKAMaxVehSpd_Kph_f32	218.5
k_LKAMinVehSpd_Kph_f32	201.25
k_MaxHapticReqTime_Sec_f32	0.224999994
k_SWARLimiter_HwDeg_f32	21.1000004
k_ShiftLevRevTime_Sec_f32	0.057
k_StandstillThresh_Kph_f32	4.5999999
k_StandstillTime_Sec_f32	0.057
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-6.5
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-897.710022
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	863.880005
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	-5.5999999
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	92.6999969
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	113.300003
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.180000007
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	14.8999996
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	43000	43000 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-4.31479979	-4.31479979 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	4	4 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	4	4	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	48	48 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	48	48 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.349999994	0.349999994 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	58.5159988	58.5159988 ± 0.0009765625	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.104 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	1
TrqOvlSta_ESCState_State_M_enum	4
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	2224203
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	91133.6797
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	430968
TrqOvlSta_HapticState_State_M_enum	2
TrqOvlSta_Hapticdur_Cnt_M_u16	45000
TrqOvlSta_Haptictime_Sec_M_f32	228811.703
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-2.70000005
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.507000029
TrqOvlSta_LKAFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	2
TrqOvlSta_LKAState_State_M_enum	2
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	49.4000015
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0
k_APAIncludeHaptic_Cnt_lgc	1
k_APAMaxHwTrqTime_Sec_f32	0.298999995
k_APAMaxHwTrq_HwNm_f32	9.27999973
k_APAMaxVehSpd_Kph_f32	208.800003
k_ESCMaxVehSpd_Kph_f32	30.3999996
k_HapticAmplitude_MtrNm_f32	0.460000008
k_HapticDuration_Sec_f32	1.74000001
k_HapticFreq_Hz_f32	59.0299988
k_HapticReacttime_Sec_f32	1.85599995
k_LKAMaxVehSpd_Kph_f32	20
k_LKAMinVehSpd_Kph_f32	203
k_MaxHapticReqTime_Sec_f32	0.239999995
k_SWARLimiter_HwDeg_f32	21.3999996
k_ShiftLevRevTime_Sec_f32	0.0610000007
k_StandstillThresh_Kph_f32	4.63999987
k_StandstillTime_Sec_f32	0.0610000007
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-6.3499999
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-887.609985
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	868.820007
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	-8.60000038
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	103
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	123.599998
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.189999998
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	16.5
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	1	1	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	0	0 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-2.70000005	-2.70000005 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	3	3 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	3	3	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.189999998	0.189999998 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	1	1	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.189999998	0.189999998 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.460000008	0.460000008 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	59.0299988	59.0299988 ± 0.0009765625	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.105 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	0
TrqOvlSta_ESCState_State_M_enum	0

Name	Input Value
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	1884573
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	83136.8828
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	365508
TrqOvlSta_HapticState_State_M_enum	0
TrqOvlSta_Hapticdur_Cnt_M_u16	29000
TrqOvlSta_Haptictime_Sec_M_f32	198760.641
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-5.5
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.419
TrqOvlSta_LKAFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	0
TrqOvlSta_LKAState_State_M_enum	0
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	57.7999992
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
k_APAIncludeHaptic_Cnt_lgc	0
k_APAMaxHwTrqTime_Sec_f32	0.36500001
k_APAMaxHwTrq_HwNm_f32	8.64000034
k_APAMaxVehSpd_Kph_f32	194.399994
k_ESCMaxVehSpd_Kph_f32	52.5999985
k_HapticAmplitude_MtrNm_f32	0.648000002
k_HapticDuration_Sec_f32	1.62
k_HapticFreq_Hz_f32	3
k_HapticReacttime_Sec_f32	1.72800004
k_LKAMaxVehSpd_Kph_f32	205.199997
k_LKAMinVehSpd_Kph_f32	0
k_MaxHapticReqTime_Sec_f32	0.119999997
k_SWARLimiter_HwDeg_f32	23.2000008
k_ShiftLevRevTime_Sec_f32	0.0289999992
k_StandstillThresh_Kph_f32	4.32000017
k_StandstillTime_Sec_f32	0.0289999992
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-5.44999981
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-877.51001
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	873.76001
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1

Name	Input Value
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	8.69999981
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	0.400000006
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	185.399994
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.150000006
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	26.1000004
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	3	3	✔
TrqOvlSta_ESCState_State_M_enum	3	3	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	83136.8828	83136.8828 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	365508	365508 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	29000	29000 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	198760.641	198760.641 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0.449800014	0.449800014 ± 0.0000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	0	0 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	0	0	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.150000006	0.150000006 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.150000006	0.150000006 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.648000002	0.648000002 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	3	3 ± 0.0009765625	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached		1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection		1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached		1	✔

Test Step 2.106 (Repeat Count = 1)	✔
Name	**Input Value**
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	1
TrqOvlSta_ESCState_State_M_enum	1
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	1918536
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	83936.5625
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	372054
TrqOvlSta_HapticState_State_M_enum	2
TrqOvlSta_Hapticdur_Cnt_M_u16	31000
TrqOvlSta_Haptictime_Sec_M_f32	201765
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-5.1500001
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.430000007
TrqOvlSta_LKAFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	2
TrqOvlSta_LKAState_State_M_enum	0
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	59.2000008
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0
k_APAIncludeHaptic_Cnt_lgc	1

Name	Input Value
k_APAMaxHwTrqTime_Sec_f32	0.375999987
k_APAMaxHwTrq_HwNm_f32	8.72000027
k_APAMaxVehSpd_Kph_f32	196.199997
k_ESCMaxVehSpd_Kph_f32	56.2999992
k_HapticAmplitude_MtrNm_f32	0.653999984
k_HapticDuration_Sec_f32	1.63499999
k_HapticFreq_Hz_f32	100
k_HapticReacttime_Sec_f32	1.74399996
k_LKAMaxVehSpd_Kph_f32	207.100006
k_LKAMinVehSpd_Kph_f32	220
k_MaxHapticReqTime_Sec_f32	0.135000005
k_SWARLimiter_HwDeg_f32	23.5
k_ShiftLevRevTime_Sec_f32	0.0329999998
k_StandstillThresh_Kph_f32	4.36000013
k_StandstillTime_Sec_f32	0.0329999998
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-5.30000019
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-867.409973
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	878.700012
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	-8.60000038
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	123.599998
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	195.699997
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.159999996
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	27.7000008

Name	Input Value		
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0		

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	2	2	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	31000	31000 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	201765	201765 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-5.1500001	-5.1500001 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	2 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	4	4	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	59.2000008	59.2000008 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	2	2	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	59.2000008	59.2000008 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.653999984	0.653999984 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	100	100 ± 0.0009765625	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached		1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection		1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached		1	✔

Test Step 2.107 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	2	
TrqOvlSta_ESCState_State_M_enum	2	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	1952499	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	84736.2422	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	378600	
TrqOvlSta_HapticState_State_M_enum	1	
TrqOvlSta_Hapticdur_Cnt_M_u16	33000	
TrqOvlSta_Haptictime_Sec_M_f32	204770	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-4.80000019	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.441000015	
TrqOvlSta_LKAFault_Cnt_M_lgc	1	
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_u08	3	
TrqOvlSta_LKAState_State_M_enum	0	
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	60.5999985	
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	
k_APAIncludeHaptic_Cnt_lgc	0	
k_APAMaxHwTrqTime_Sec_f32	0.386999995	
k_APAMaxHwTrq_HwNm_f32	8.80000019	
k_APAMaxVehSpd_Kph_f32	198	
k_ESCMaxVehSpd_Kph_f32	60	
k_HapticAmplitude_MtrNm_f32	0.660000026	
k_HapticDuration_Sec_f32	1.64999998	
k_HapticFreq_Hz_f32	63.1419983	
k_HapticReacttime_Sec_f32	1.75999999	
k_LKAMaxVehSpd_Kph_f32	209	
k_LKAMinVehSpd_Kph_f32	120.220001	
k_MaxHapticReqTime_Sec_f32	0.150000006	
k_SWARLimiter_HwDeg_f32	23.7999992	
k_ShiftLevRevTime_Sec_f32	0.0370000005	
k_StandstillThresh_Kph_f32	4.4000001	
k_StandstillTime_Sec_f32	0.0370000005	

Name	Input Value
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-5.1500001
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-857.309998
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	883.640015
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	-8.10000038
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	133.899994
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	206
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.170000002
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	29.2999992
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	2	2	✔
TrqOvlSta_ESCState_State_M_enum	3	3	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	84736.2422	84736.2422 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	1	1	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	33000	33000 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-4.80000019	-4.80000019 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	3	3 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	0	0	✔

Name	Actual Value	Expected Value	Result
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	60.5999985	60.5999985 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	2	2	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	1	1	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	60.5999985	60.5999985 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.660000026	0.660000026 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	63.1419983	63.1419983 ± 0.0009765625	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.108 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	0
TrqOvlSta_ESCState_State_M_enum	3
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	860.26001
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	860.26001
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	860.26001
TrqOvlSta_HapticState_State_M_enum	0
TrqOvlSta_Hapticdur_Cnt_M_u16	35000
TrqOvlSta_Haptictime_Sec_M_f32	860.26001
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-4.44999981
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.451999992
TrqOvlSta_LKAFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	0
TrqOvlSta_LKAState_State_M_enum	0
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	62
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0
k_APAIncludeHaptic_Cnt_lgc	1
k_APAMaxHwTrqTime_Sec_f32	0.398000002
k_APAMaxHwTrq_HwNm_f32	0.100000001
k_APAMaxVehSpd_Kph_f32	199.800003
k_ESCMaxVehSpd_Kph_f32	63.7000008
k_HapticAmplitude_MtrNm_f32	0.119999997
k_HapticDuration_Sec_f32	1.66499996
k_HapticFreq_Hz_f32	3.5
k_HapticReacttime_Sec_f32	0.159999996
k_LKAMaxVehSpd_Kph_f32	0
k_LKAMinVehSpd_Kph_f32	0.400000006
k_MaxHapticReqTime_Sec_f32	0.165000007
k_SWARLimiter_HwDeg_f32	24.1000004
k_ShiftLevRevTime_Sec_f32	0.0379999988
k_StandstillThresh_Kph_f32	4.44000006
k_StandstillTime_Sec_f32	0.0209999997
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-5
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-847.210022
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	888.580017
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	-8.69999981
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	0
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	216.300003
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.180000007
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	30.8999996
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	860.26001	860.26001 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	860.26001	860.26001 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	35000	35000 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-6.37099981	-6.37099981 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	0	0 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	4	4	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	62	62 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	62	62 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.119999997	0.119999997 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	3.5	3.5 ± 0.0009765625	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.109 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	1
TrqOvlSta_ESCState_State_M_enum	4
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	1345
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	1345
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	1345
TrqOvlSta_HapticState_State_M_enum	1
TrqOvlSta_Hapticdur_Cnt_M_u16	37000
TrqOvlSta_Haptictime_Sec_M_f32	1345
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-4.0999999
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.463
TrqOvlSta_LKAFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_u08	1
TrqOvlSta_LKAState_State_M_enum	1
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	63.4000015
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
k_APAIncludeHaptic_Cnt_lgc	0
k_APAMaxHwTrqTime_Sec_f32	0.409000009
k_APAMaxHwTrq_HwNm_f32	0.0799999982
k_APAMaxVehSpd_Kph_f32	201.600006
k_ESCMaxVehSpd_Kph_f32	67.4000015
k_HapticAmplitude_MtrNm_f32	0.140000001
k_HapticDuration_Sec_f32	1.67999995
k_HapticFreq_Hz_f32	4.19999981
k_HapticReacttime_Sec_f32	0.0160000008
k_LKAMaxVehSpd_Kph_f32	1.89999998
k_LKAMinVehSpd_Kph_f32	1.75
k_MaxHapticReqTime_Sec_f32	0.180000007
k_SWARLimiter_HwDeg_f32	24.3999996
k_ShiftLevRevTime_Sec_f32	0.0390000008
k_StandstillThresh_Kph_f32	4.48000002
k_StandstillTime_Sec_f32	0.0250000004
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-4.8499999
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-837.109985
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	893.52002
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	-8.30000019
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	514.799988
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	226.600006
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.189999998
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	32.5
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	3	3	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	1345	1345 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	37000	37000 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	1345	1345 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-4.0999999	-4.0999999 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	1	1 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	3	3	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.189999998	0.189999998 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.189999998	0.189999998 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.140000001	0.140000001 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	4.19999981	4.19999981 ± 0.0009765625	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.110 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	2	
TrqOvlSta_ESCState_State_M_enum	0	

Name	Input Value
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	1830.43005
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	1830.43005
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	1830.43005
TrqOvlSta_HapticState_State_M_enum	2
TrqOvlSta_Hapticdur_Cnt_M_u16	39000
TrqOvlSta_Haptictime_Sec_M_f32	1830.43005
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-3.75
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.474000007
TrqOvlSta_LKAFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	2
TrqOvlSta_LKAState_State_M_enum	2
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	64.8000031
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0
k_APAIncludeHaptic_Cnt_lgc	1
k_APAMaxHwTrqTime_Sec_f32	0.419999987
k_APAMaxHwTrq_HwNm_f32	0.159999996
k_APAMaxVehSpd_Kph_f32	203.399994
k_ESCMaxVehSpd_Kph_f32	71.0999985
k_HapticAmplitude_MtrNm_f32	0.159999996
k_HapticDuration_Sec_f32	1.69500005
k_HapticFreq_Hz_f32	4.9000001
k_HapticReacttime_Sec_f32	0.0320000015
k_LKAMaxVehSpd_Kph_f32	3.79999995
k_LKAMinVehSpd_Kph_f32	3.5
k_MaxHapticReqTime_Sec_f32	0.194999993
k_SWARLimiter_HwDeg_f32	24.7000008
k_ShiftLevRevTime_Sec_f32	0.0399999991
k_StandstillThresh_Kph_f32	4.51999998
k_StandstillTime_Sec_f32	0.0289999992
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-4.69999981
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-827.01001
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	898.460022
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0

Name	Input Value
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	-7.9000001
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	250.600006
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	236.899994
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.100000001
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	10.1999998
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	2	2	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	39000	39000 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-3.75	-3.75 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	2 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	4	4	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	64.8000031	64.8000031 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	2	2	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	64.8000031	64.8000031 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.159999996	0.159999996 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	4.9000001	4.9000001 ± 0.0009765625	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached		1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection		1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached		1	✔

Test Step 2.111 (Repeat Count = 1)	✔
Name	**Input Value**
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	3
TrqOvlSta_ESCState_State_M_enum	1
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	2315.65991
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	2315.65991
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	2315.65991
TrqOvlSta_HapticState_State_M_enum	0
TrqOvlSta_Hapticdur_Cnt_M_u16	41000
TrqOvlSta_Haptictime_Sec_M_f32	2315.65991
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-3.4000001
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.485000014
TrqOvlSta_LKAFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_u08	3
TrqOvlSta_LKAState_State_M_enum	3
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	66.1999969
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
k_APAIncludeHaptic_Cnt_lgc	0

Name	Input Value
k_APAMaxHwTrqTime_Sec_f32	0.430999994
k_APAMaxHwTrq_HwNm_f32	0.239999995
k_APAMaxVehSpd_Kph_f32	205.199997
k_ESCMaxVehSpd_Kph_f32	74.8000031
k_HapticAmplitude_MtrNm_f32	0.180000007
k_HapticDuration_Sec_f32	1.71000004
k_HapticFreq_Hz_f32	5.5999999
k_HapticReacttime_Sec_f32	0.0480000004
k_LKAMaxVehSpd_Kph_f32	5.69999981
k_LKAMinVehSpd_Kph_f32	5.25
k_MaxHapticReqTime_Sec_f32	0.209999993
k_SWARLimiter_HwDeg_f32	25
k_ShiftLevRevTime_Sec_f32	0.0410000011
k_StandstillThresh_Kph_f32	4.55999994
k_StandstillTime_Sec_f32	0.0329999998
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-4.55000019
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-816.909973
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	903.400024
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	-7.5
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	190.600006
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	0
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.109999999
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	11.3000002

Name	Input Value		
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1		

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	3	3	✔
TrqOvlSta_ESCState_State_M_enum	3	3	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	2315.65991	2315.65991 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	2315.65991	2315.65991 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	41000	41000 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	2315.65991	2315.65991 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-5.38850021	-5.38850021 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	3	3 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	3	3	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.109999999	0.109999999 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.109999999	0.109999999 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.180000007	0.180000007 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	5.5999999	5.5999999 ± 0.0009765625	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached		1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection		1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached		1	✔

Test Step 2.112 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	4	
TrqOvlSta_ESCState_State_M_enum	2	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	2800.93994	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	2800.93994	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	2800.93994	
TrqOvlSta_HapticState_State_M_enum	1	
TrqOvlSta_Hapticdur_Cnt_M_u16	43000	
TrqOvlSta_Haptictime_Sec_M_f32	2800.93994	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-3.04999995	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.495999992	
TrqOvlSta_LKAFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_u08	4	
TrqOvlSta_LKAState_State_M_enum	4	
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	67.5999985	
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	
k_APAIncludeHaptic_Cnt_lgc	1	
k_APAMaxHwTrqTime_Sec_f32	0.442000002	
k_APAMaxHwTrq_HwNm_f32	0.319999993	
k_APAMaxVehSpd_Kph_f32	207	
k_ESCMaxVehSpd_Kph_f32	78.5	
k_HapticAmplitude_MtrNm_f32	0.200000003	
k_HapticDuration_Sec_f32	1.72500002	
k_HapticFreq_Hz_f32	6.30000019	
k_HapticReacttime_Sec_f32	0.064000003	
k_LKAMaxVehSpd_Kph_f32	7.5999999	
k_LKAMinVehSpd_Kph_f32	7	
k_MaxHapticReqTime_Sec_f32	0.224999994	
k_SWARLimiter_HwDeg_f32	25.2999992	
k_ShiftLevRevTime_Sec_f32	0.0419999994	
k_StandstillThresh_Kph_f32	4.5999999	
k_StandstillTime_Sec_f32	0.0370000005	

Name	Input Value
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-4.4000001
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-806.809998
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	908.340027
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	-7.0999999
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	200.899994
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	511
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.119999997
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	12.3999996
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	1	1	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	43000	43000 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-3.04999995	-3.04999995 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	4	4 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	4	4	✔

Name	Actual Value	Expected Value	Result
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	67.5999985	67.5999985 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	1	1	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	67.5999985	67.5999985 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.200000003	0.200000003 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	6.30000019	6.30000019 ± 0.0009765625	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached		1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection		1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached		1	✔

Test Step 2.113 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	0	
TrqOvlSta_ESCState_State_M_enum	3	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	3285.03003	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	3285.03003	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	3285.03003	
TrqOvlSta_HapticState_State_M_enum	2	
TrqOvlSta_Hapticdur_Cnt_M_u16	45000	
TrqOvlSta_Haptictime_Sec_M_f32	3285.03003	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-2.70000005	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.507000029	
TrqOvlSta_LKAFault_Cnt_M_lgc	1	
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	
TrqOvlSta_LKAPermFault_Cnt_M_u08	0	
TrqOvlSta_LKAState_State_M_enum	0	
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	69	
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	
k_APAIncludeHaptic_Cnt_lgc	0	
k_APAMaxHwTrqTime_Sec_f32	0.453000009	
k_APAMaxHwTrq_HwNm_f32	0.400000006	
k_APAMaxVehSpd_Kph_f32	208.800003	
k_ESCMaxVehSpd_Kph_f32	82.1999969	
k_HapticAmplitude_MtrNm_f32	0.219999999	
k_HapticDuration_Sec_f32	1.74000001	
k_HapticFreq_Hz_f32	7	
k_HapticReacttime_Sec_f32	0.0799999982	
k_LKAMaxVehSpd_Kph_f32	9.5	
k_LKAMinVehSpd_Kph_f32	8.75	
k_MaxHapticReqTime_Sec_f32	0.239999995	
k_SWARLimiter_HwDeg_f32	25.6000004	
k_ShiftLevRevTime_Sec_f32	0.0430000015	
k_StandstillThresh_Kph_f32	4.63999987	
k_StandstillTime_Sec_f32	0.0410000011	
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-4.25	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum	

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-796.710022
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	913.280029
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	-6.69999981
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	211.199997
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	255.600006
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.129999995
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	13.5
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	3	3	✔
TrqOvlSta_ESCState_State_M_enum	3	3	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	3285.03003	3285.03003 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	2	2	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	45000	45000 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	3285.03003	3285.03003 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-2.70000005	-2.70000005 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	0	0 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	3	3	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.129999995	0.129999995 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	2	2	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.129999995	0.129999995 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.219999999	0.219999999 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	7	7 ± 0.0009765625	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.114 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	1
TrqOvlSta_ESCState_State_M_enum	4
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	3770.09009
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	3770.09009
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	3770.09009
TrqOvlSta_HapticState_State_M_enum	0
TrqOvlSta_Hapticdur_Cnt_M_u16	47000
TrqOvlSta_Haptictime_Sec_M_f32	3770.09009
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-2.3499999
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.518000007
TrqOvlSta_LKAFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	1
TrqOvlSta_LKAState_State_M_enum	1
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	70.4000015
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0
k_APAIncludeHaptic_Cnt_lgc	1
k_APAMaxHwTrqTime_Sec_f32	0.463999987
k_APAMaxHwTrq_HwNm_f32	0.479999989
k_APAMaxVehSpd_Kph_f32	210.600006
k_ESCMaxVehSpd_Kph_f32	85.9000015
k_HapticAmplitude_MtrNm_f32	0.239999995
k_HapticDuration_Sec_f32	1.755
k_HapticFreq_Hz_f32	7.69999981
k_HapticReacttime_Sec_f32	0.0960000008
k_LKAMaxVehSpd_Kph_f32	11.3999996
k_LKAMinVehSpd_Kph_f32	10.5
k_MaxHapticReqTime_Sec_f32	0.254999995
k_SWARLimiter_HwDeg_f32	25.8999996
k_ShiftLevRevTime_Sec_f32	0.0439999998
k_StandstillThresh_Kph_f32	4.67999983
k_StandstillTime_Sec_f32	0.0450000018
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-4.0999999
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-786.609985
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	918.219971
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	-6.30000019
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	221.5
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	190.600006
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.140000001
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	14.6000004
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	3770.09009	3770.09009 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	47000	47000 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-4.39610004	-4.39610004 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	1	1 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	4	4	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	70.4000015	70.4000015 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	70.4000015	70.4000015 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.239999995	0.239999995 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	7.69999981	7.69999981 ± 0.0009765625	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.115 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	2
TrqOvlSta_ESCState_State_M_enum	0

Name	Input Value
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	425564
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	425564
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	425564
TrqOvlSta_HapticState_State_M_enum	1
TrqOvlSta_Hapticdur_Cnt_M_u16	49000
TrqOvlSta_Haptictime_Sec_M_f32	425564
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-2
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.528999984
TrqOvlSta_LKAFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_u08	2
TrqOvlSta_LKAState_State_M_enum	2
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	71.8000031
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
k_APAIncludeHaptic_Cnt_lgc	0
k_APAMaxHwTrqTime_Sec_f32	0.474999994
k_APAMaxHwTrq_HwNm_f32	0.560000002
k_APAMaxVehSpd_Kph_f32	212.399994
k_ESCMaxVehSpd_Kph_f32	89.5999985
k_HapticAmplitude_MtrNm_f32	0.25999999
k_HapticDuration_Sec_f32	1.76999998
k_HapticFreq_Hz_f32	8.39999962
k_HapticReacttime_Sec_f32	0.112000003
k_LKAMaxVehSpd_Kph_f32	13.3000002
k_LKAMinVehSpd_Kph_f32	12.25
k_MaxHapticReqTime_Sec_f32	0.270000011
k_SWARLimiter_HwDeg_f32	26.2000008
k_ShiftLevRevTime_Sec_f32	0.0450000018
k_StandstillThresh_Kph_f32	4.71999979
k_StandstillTime_Sec_f32	0.0489999987
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-3.95000005
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-776.51001
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	923.159973
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1

Name	Input Value
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	-5.9000001
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	0.5
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	200.899994
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.150000006
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	15.6999998
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	3	3	✔
TrqOvlSta_ESCState_State_M_enum	3	3	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	425564	425564 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	425564	425564 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	1	1	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	49000	49000 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	425564	425564 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-2	-2 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	2 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	3	3	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.150000006	0.150000006 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	1	1	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.150000006	0.150000006 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.25999999	0.25999999 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	8.39999962	8.39999962 ± 0.0009765625	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.116 (Repeat Count = 1)	✔
Name	**Input Value**
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	3
TrqOvlSta_ESCState_State_M_enum	1
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	4740.43018
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	4740.43018
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	4740.43018
TrqOvlSta_HapticState_State_M_enum	2
TrqOvlSta_Hapticdur_Cnt_M_u16	51000
TrqOvlSta_Haptictime_Sec_M_f32	4740.43018
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-1.64999998
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.540000021
TrqOvlSta_LKAFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	3
TrqOvlSta_LKAState_State_M_enum	3
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	73.1999969
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0
k_APAIncludeHaptic_Cnt_lgc	1

Name	Input Value
k_APAMaxHwTrqTime_Sec_f32	0.486000001
k_APAMaxHwTrq_HwNm_f32	0.639999986
k_APAMaxVehSpd_Kph_f32	214.199997
k_ESCMaxVehSpd_Kph_f32	93.3000031
k_HapticAmplitude_MtrNm_f32	0.280000001
k_HapticDuration_Sec_f32	1.78499997
k_HapticFreq_Hz_f32	9.10000038
k_HapticReacttime_Sec_f32	0.128000006
k_LKAMaxVehSpd_Kph_f32	15.1999998
k_LKAMinVehSpd_Kph_f32	14
k_MaxHapticReqTime_Sec_f32	0.284999996
k_SWARLimiter_HwDeg_f32	26.5
k_ShiftLevRevTime_Sec_f32	0.0460000001
k_StandstillThresh_Kph_f32	4.76000023
k_StandstillTime_Sec_f32	0.0529999994
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-3.79999995
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-766.409973
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	928.099976
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	-5.5
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	242.100006
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	211.199997
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.159999996
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	16.7999992

Name	Input Value		
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0		

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✓
TrqOvlSta_ESCState_State_M_enum	4	4	✓
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✓
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	✓
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✓
TrqOvlSta_HapticState_State_M_enum	2	2	✓
TrqOvlSta_Hapticdur_Cnt_M_u16	51000	51000 ± 1	✓
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✓
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-1.64999998	-1.64999998 ± 0.000009	✓
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✓
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✓
TrqOvlSta_LKAPermFault_Cnt_M_u08	3	3 ± 1	✓
TrqOvlSta_LKAState_State_M_enum	4	4	✓
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	73.1999969	73.1999969 ± 0.0009765625	✓
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✓
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✓
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✓
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✓
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	2	2	✓
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	✓
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✓
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	73.1999969	73.1999969 ± 0.0009765625	✓
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.280000001	0.280000001 ± 0.0009765625	✓
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✓
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	9.10000038	9.10000038 ± 0.0009765625	✓

Test Step Call Trace					✓
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached		1	✓
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection		1	✓
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached		1	✓

Test Step 2.117 (Repeat Count = 1)		✓
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	4	
TrqOvlSta_ESCState_State_M_enum	2	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	5225.33984	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	5225.33984	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	5225.33984	
TrqOvlSta_HapticState_State_M_enum	0	
TrqOvlSta_Hapticdur_Cnt_M_u16	53000	
TrqOvlSta_Haptictime_Sec_M_f32	5225.33984	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-1.29999995	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.550999999	
TrqOvlSta_LKAFault_Cnt_M_lgc	1	
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	
TrqOvlSta_LKAPermFault_Cnt_M_u08	4	
TrqOvlSta_LKAState_State_M_enum	4	
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	74.5999985	
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	
k_APAIncludeHaptic_Cnt_lgc	0	
k_APAMaxHwTrqTime_Sec_f32	0.497000009	
k_APAMaxHwTrq_HwNm_f32	0.720000029	
k_APAMaxVehSpd_Kph_f32	216	
k_ESCMaxVehSpd_Kph_f32	97	
k_HapticAmplitude_MtrNm_f32	0.300000012	
k_HapticDuration_Sec_f32	1.79999995	
k_HapticFreq_Hz_f32	9.80000019	
k_HapticReacttime_Sec_f32	0.143999994	
k_LKAMaxVehSpd_Kph_f32	17.1000004	
k_LKAMinVehSpd_Kph_f32	15.75	
k_MaxHapticReqTime_Sec_f32	0.300000012	
k_SWARLimiter_HwDeg_f32	26.7999992	
k_ShiftLevRevTime_Sec_f32	0.0469999984	
k_StandstillThresh_Kph_f32	4.80000019	
k_StandstillTime_Sec_f32	0.057	

Name	Input Value
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-3.6500001
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-756.309998
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	933.039978
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	-5.0999999
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	252.399994
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	221.5
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.170000002
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	17.8999996
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✔
TrqOvlSta_ESCState_State_M_enum	3	3	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	5225.33984	5225.33984 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	5225.33984	5225.33984 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	53000	53000 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	5225.33984	5225.33984 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-3.39380002	-3.39380002 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	4	4 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	4	4	✔

Name	Actual Value	Expected Value	Result
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.170000002	0.170000002 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.170000002	0.170000002 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.300000012	0.300000012 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	9.80000019	9.80000019 ± 0.0009765625	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.118 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	0
TrqOvlSta_ESCState_State_M_enum	3
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	5710.16992
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	5710.16992
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	5710.16992
TrqOvlSta_HapticState_State_M_enum	1
TrqOvlSta_Hapticdur_Cnt_M_u16	55000
TrqOvlSta_Haptictime_Sec_M_f32	5710.16992
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-0.949999988
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.561999977
TrqOvlSta_LKAFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	0
TrqOvlSta_LKAState_State_M_enum	0
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	76
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0
k_APAIncludeHaptic_Cnt_lgc	1
k_APAMaxHwTrqTime_Sec_f32	0.508000016
k_APAMaxHwTrq_HwNm_f32	0.800000012
k_APAMaxVehSpd_Kph_f32	217.800003
k_ESCMaxVehSpd_Kph_f32	100.699997
k_HapticAmplitude_MtrNm_f32	0.319999993
k_HapticDuration_Sec_f32	1.81500006
k_HapticFreq_Hz_f32	10.5
k_HapticReacttime_Sec_f32	0.159999996
k_LKAMaxVehSpd_Kph_f32	19
k_LKAMinVehSpd_Kph_f32	17.5
k_MaxHapticReqTime_Sec_f32	0.314999998
k_SWARLimiter_HwDeg_f32	27.1000004
k_ShiftLevRevTime_Sec_f32	0.0480000004
k_StandstillThresh_Kph_f32	4.84000015
k_StandstillTime_Sec_f32	0.0610000007
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-3.5
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-746.210022
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	937.97998
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	-4.69999981
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	262.700012
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	231.800003
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.180000007
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	19
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	1	1	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	55000	55000 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-0.949999988	-0.949999988 ± 0.0000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	0	0 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	4	4	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	76	76 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	1	1	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	76	76 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.319999993	0.319999993 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	10.5	10.5 ± 0.0009765625	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.119 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	1	
TrqOvlSta_ESCState_State_M_enum	4	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	6195	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	6195	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	6195	
TrqOvlSta_HapticState_State_M_enum	2	
TrqOvlSta_Hapticdur_Cnt_M_u16	57000	
TrqOvlSta_Haptictime_Sec_M_f32	6195	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-0.600000024	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.573000014	
TrqOvlSta_LKAFault_Cnt_M_lgc	1	
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	
TrqOvlSta_LKAPermFault_Cnt_M_u08	1	
TrqOvlSta_LKAState_State_M_enum	1	
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	77.4000015	
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	
k_APAIncludeHaptic_Cnt_lgc	0	
k_APAMaxHwTrqTime_Sec_f32	0.518999994	
k_APAMaxHwTrq_HwNm_f32	0.879999995	
k_APAMaxVehSpd_Kph_f32	219.600006	
k_ESCMaxVehSpd_Kph_f32	104.400002	
k_HapticAmplitude_MtrNm_f32	0.340000004	
k_HapticDuration_Sec_f32	1.83000004	
k_HapticFreq_Hz_f32	11.1999998	
k_HapticReacttime_Sec_f32	0.175999999	
k_LKAMaxVehSpd_Kph_f32	20.8999996	
k_LKAMinVehSpd_Kph_f32	19.25	
k_MaxHapticReqTime_Sec_f32	0.330000013	
k_SWARLimiter_HwDeg_f32	27.3999996	
k_ShiftLevRevTime_Sec_f32	0.0489999987	
k_StandstillThresh_Kph_f32	4.88000011	
k_StandstillTime_Sec_f32	0.0649999976	
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-3.3499999	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-736.109985
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	942.919983
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	-4.30000019
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	273
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	242.100006
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.189999998
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	20.1000004
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	3	3	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	6195	6195 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	57000	57000 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	6195	6195 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-0.600000024	-0.600000024 ± 0.0000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	1	1 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	3	3	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.189999998	0.189999998 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.189999998	0.189999998 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.340000004	0.340000004 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	11.1999998	11.1999998 ± 0.0009765625	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.120 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	2
TrqOvlSta_ESCState_State_M_enum	0

Name	Input Value
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	6679.83008
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	6679.83008
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	6679.83008
TrqOvlSta_HapticState_State_M_enum	0
TrqOvlSta_Hapticdur_Cnt_M_u16	59000
TrqOvlSta_Haptictime_Sec_M_f32	6679.83008
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-0.25
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.583999991
TrqOvlSta_LKAFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	2
TrqOvlSta_LKAState_State_M_enum	2
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	78.8000031
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0
k_APAIncludeHaptic_Cnt_lgc	1
k_APAMaxHwTrqTime_Sec_f32	0.529999971
k_APAMaxHwTrq_HwNm_f32	0.959999979
k_APAMaxVehSpd_Kph_f32	0.200000003
k_ESCMaxVehSpd_Kph_f32	108.099998
k_HapticAmplitude_MtrNm_f32	0.360000014
k_HapticDuration_Sec_f32	1.84500003
k_HapticFreq_Hz_f32	11.8999996
k_HapticReacttime_Sec_f32	0.192000002
k_LKAMaxVehSpd_Kph_f32	22.7999992
k_LKAMinVehSpd_Kph_f32	21
k_MaxHapticReqTime_Sec_f32	0.344999999
k_SWARLimiter_HwDeg_f32	27.7000008
k_ShiftLevRevTime_Sec_f32	0.00100000005
k_StandstillThresh_Kph_f32	4.92000008
k_StandstillTime_Sec_f32	0.0689999983
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-3.20000005
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-726.01001
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	947.859985
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0

Name	Input Value
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	-3.9000001
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	0.5
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	252.399994
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.100000001
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	21.2000008
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	6679.83008	6679.83008 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	6679.83008	6679.83008 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	59000	59000 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-2.38160014	-2.3815999 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	2 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	4	4	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	78.8000031	78.8000031 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	78.8000031	78.8000031 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.360000014	0.360000014 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	11.8999996	11.8999996 ± 0.0009765625	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.121 (Repeat Count = 1)	✔
Name	**Input Value**
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	3
TrqOvlSta_ESCState_State_M_enum	1
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	7164.66016
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	7164.66016
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	7164.66016
TrqOvlSta_HapticState_State_M_enum	1
TrqOvlSta_Hapticdur_Cnt_M_u16	61000
TrqOvlSta_Haptictime_Sec_M_f32	7164.66016
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0.100000001
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.595000029
TrqOvlSta_LKAFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_u08	3
TrqOvlSta_LKAState_State_M_enum	3
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	80.1999969
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
k_APAIncludeHaptic_Cnt_lgc	0

Name	Input Value
k_APAMaxHwTrqTime_Sec_f32	0.541000009
k_APAMaxHwTrq_HwNm_f32	1.03999996
k_APAMaxVehSpd_Kph_f32	1.79999995
k_ESCMaxVehSpd_Kph_f32	111.800003
k_HapticAmplitude_MtrNm_f32	0.379999995
k_HapticDuration_Sec_f32	1.86000001
k_HapticFreq_Hz_f32	12.6000004
k_HapticReacttime_Sec_f32	0.208000004
k_LKAMaxVehSpd_Kph_f32	24.7000008
k_LKAMinVehSpd_Kph_f32	22.75
k_MaxHapticReqTime_Sec_f32	0.360000014
k_SWARLimiter_HwDeg_f32	28
k_ShiftLevRevTime_Sec_f32	0.00499999989
k_StandstillThresh_Kph_f32	4.96000004
k_StandstillTime_Sec_f32	0.0729999989
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-3.04999995
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-715.909973
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	952.799988
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	-3.5
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	293.600006
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	262.700012
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.109999999
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	22.2999992

TEST DETAILS REPORT

TrqOvlSta_Per1

2015-02-04, 12:57:03+0530

Name	Input Value		
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1		

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	3	3	✔
TrqOvlSta_ESCState_State_M_enum	3	3	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	7164.66016	7164.66016 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	1	1	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	61000	61000 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	7164.66016	7164.66016 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0.100000001	0.100000001 ± 0.0000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	3	3 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	3	3	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.109999999	0.109999999 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	1	1	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.109999999	0.109999999 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.379999995	0.379999995 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	12.6000004	12.6000004 ± 0.0009765625	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached		1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection		1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached		1	✔

Test Step 2.122 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	4	
TrqOvlSta_ESCState_State_M_enum	2	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	7649.49023	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	7649.49023	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	7649.49023	
TrqOvlSta_HapticState_State_M_enum	2	
TrqOvlSta_Hapticdur_Cnt_M_u16	63000	
TrqOvlSta_Haptictime_Sec_M_f32	7649.49023	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0.449999988	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.606000006	
TrqOvlSta_LKAFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_u08	4	
TrqOvlSta_LKAState_State_M_enum	4	
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	81.5999985	
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	
k_APAIncludeHaptic_Cnt_lgc	1	
k_APAMaxHwTrqTime_Sec_f32	0.551999986	
k_APAMaxHwTrq_HwNm_f32	1.12	
k_APAMaxVehSpd_Kph_f32	3.5999999	
k_ESCMaxVehSpd_Kph_f32	115.5	
k_HapticAmplitude_MtrNm_f32	0.400000006	
k_HapticDuration_Sec_f32	1.875	
k_HapticFreq_Hz_f32	13.3000002	
k_HapticReacttime_Sec_f32	0.224000007	
k_LKAMaxVehSpd_Kph_f32	26.6000004	
k_LKAMinVehSpd_Kph_f32	24.5	
k_MaxHapticReqTime_Sec_f32	0.375	
k_SWARLimiter_HwDeg_f32	28.2999992	
k_ShiftLevRevTime_Sec_f32	0.00899999961	
k_StandstillThresh_Kph_f32	0	
k_StandstillTime_Sec_f32	0.0769999996	

Name	Input Value
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-2.9000001
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-705.809998
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	957.73999
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	-3.0999999
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	303.899994
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	273
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.119999997
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	23.3999996
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	2	2	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	63000	63000 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0.449999988	0.449999988 ± 0.0000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	4	4 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	4	4	✔

Name	Actual Value	Expected Value	Result
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	81.5999985	81.5999985 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	2	2	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	81.5999985	81.5999985 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.400000006	0.400000006 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	13.3000002	13.3000002 ± 0.0009765625	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.123 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	0
TrqOvlSta_ESCState_State_M_enum	3
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	8134.31982
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	8134.31982
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	8134.31982
TrqOvlSta_HapticState_State_M_enum	0
TrqOvlSta_Hapticdur_Cnt_M_u16	1596
TrqOvlSta_Haptictime_Sec_M_f32	8134.31982
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0.800000012
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.616999984
TrqOvlSta_LKAFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_u08	0
TrqOvlSta_LKAState_State_M_enum	0
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	83
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
k_APAIncludeHaptic_Cnt_lgc	0
k_APAMaxHwTrqTime_Sec_f32	0.563000023
k_APAMaxHwTrq_HwNm_f32	1.20000005
k_APAMaxVehSpd_Kph_f32	5.4000001
k_ESCMaxVehSpd_Kph_f32	119.199997
k_HapticAmplitude_MtrNm_f32	0.419999987
k_HapticDuration_Sec_f32	1.88999999
k_HapticFreq_Hz_f32	14
k_HapticReacttime_Sec_f32	0.239999995
k_LKAMaxVehSpd_Kph_f32	28.5
k_LKAMinVehSpd_Kph_f32	26.25
k_MaxHapticReqTime_Sec_f32	0.389999986
k_SWARLimiter_HwDeg_f32	28.6000004
k_ShiftLevRevTime_Sec_f32	0.0130000003
k_StandstillThresh_Kph_f32	0.0399999991
k_StandstillTime_Sec_f32	0.00499999989
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-2.75
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-695.710022
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	962.679993
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	-2.70000005
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	314.200012
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	283.299988
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.129999995
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	24.5
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	3	3	✓
TrqOvlSta_ESCState_State_M_enum	3	3	✓
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	8134.31982	8134.31982 ± 1	✓
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	8134.31982	8134.31982 ± 1	✓
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✓
TrqOvlSta_HapticState_State_M_enum	0	0	✓
TrqOvlSta_Hapticdur_Cnt_M_u16	1596	1596 ± 1	✓
TrqOvlSta_Haptictime_Sec_M_f32	8134.31982	8134.31982 ± 1	✓
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-1.35949993	-1.35950005 ± 0.000009	✓
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✓
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✓
TrqOvlSta_LKAPermFault_Cnt_M_u08	0	0 ± 1	✓
TrqOvlSta_LKAState_State_M_enum	3	3	✓
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.129999995	0.129999995 ± 0.0009765625	✓
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✓
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	1	1 ± 1	✓
tgt_TrqOvlSta_Per1_APAState_State_enum.value	3	3	✓
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✓
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✓
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	3	3	✓
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✓
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.129999995	0.129999995 ± 0.0009765625	✓
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.419999987	0.419999987 ± 0.0009765625	✓
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✓
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	14	14 ± 0.0009765625	✓

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.124 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	1
TrqOvlSta_ESCState_State_M_enum	4
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	8619.15039
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	8619.15039
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	8619.15039
TrqOvlSta_HapticState_State_M_enum	1
TrqOvlSta_Hapticdur_Cnt_M_u16	2578
TrqOvlSta_Haptictime_Sec_M_f32	8619.15039
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	1.14999998
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.628000021
TrqOvlSta_LKAFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	1
TrqOvlSta_LKAState_State_M_enum	1
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	84.4000015
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0
k_APAIncludeHaptic_Cnt_lgc	1
k_APAMaxHwTrqTime_Sec_f32	0.574000001
k_APAMaxHwTrq_HwNm_f32	1.27999997
k_APAMaxVehSpd_Kph_f32	7.19999981
k_ESCMaxVehSpd_Kph_f32	122.900002
k_HapticAmplitude_MtrNm_f32	0.439999998
k_HapticDuration_Sec_f32	1.90499997
k_HapticFreq_Hz_f32	14.6999998
k_HapticReacttime_Sec_f32	0.256000012
k_LKAMaxVehSpd_Kph_f32	30.3999996
k_LKAMinVehSpd_Kph_f32	28
k_MaxHapticReqTime_Sec_f32	0.405000001
k_SWARLimiter_HwDeg_f32	28.8999996
k_ShiftLevRevTime_Sec_f32	0.0170000009
k_StandstillThresh_Kph_f32	0.0799999982
k_StandstillTime_Sec_f32	0.00899999961
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-2.5999999
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-685.609985
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	967.619995
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	-2.29999995
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	324.5
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	293.600006
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	25.6000004
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	1	1	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	2578	2578 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	1.14999998	1.14999998 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	1	1 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	4	4	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	84.4000015	84.4000015 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	1	1	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	84.4000015	84.4000015 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.439999998	0.439999998 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	14.6999998	14.6999998 ± 0.0009765625	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.125 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	2
TrqOvlSta_ESCState_State_M_enum	0

Name	Input Value
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	9103.98047
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	9103.98047
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	9103.98047
TrqOvlSta_HapticState_State_M_enum	2
TrqOvlSta_Hapticdur_Cnt_M_u16	3560
TrqOvlSta_Haptictime_Sec_M_f32	9103.98047
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	1.5
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.638999999
TrqOvlSta_LKAFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_u08	2
TrqOvlSta_LKAState_State_M_enum	2
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	85.8000031
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
k_APAIncludeHaptic_Cnt_lgc	0
k_APAMaxHwTrqTime_Sec_f32	0.584999979
k_APAMaxHwTrq_HwNm_f32	1.36000001
k_APAMaxVehSpd_Kph_f32	9
k_ESCMaxVehSpd_Kph_f32	126.599998
k_HapticAmplitude_MtrNm_f32	0.460000008
k_HapticDuration_Sec_f32	1.91999996
k_HapticFreq_Hz_f32	15.3999996
k_HapticReacttime_Sec_f32	0.272000015
k_LKAMaxVehSpd_Kph_f32	32.2999992
k_LKAMinVehSpd_Kph_f32	29.75
k_MaxHapticReqTime_Sec_f32	0.419999987
k_SWARLimiter_HwDeg_f32	29.2000008
k_ShiftLevRevTime_Sec_f32	0.0209999997
k_StandstillThresh_Kph_f32	0.119999997
k_StandstillTime_Sec_f32	0.0130000003
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-2.45000005
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-675.51001
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	972.559998
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1

Name	Input Value
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	-1.89999998
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	0.5
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	303.899994
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.200000003
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	26.7000008
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	3	3	✔
TrqOvlSta_ESCState_State_M_enum	3	3	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	9103.98047	9103.98047 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	2	2	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	3560	3560 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	9103.98047	9103.98047 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	1.5	1.5 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	2 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	3	3	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.200000003	0.200000003 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	2	2	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.200000003	0.200000003 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.460000008	0.460000008 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	15.3999996	15.3999996 ± 0.0009765625	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.126 (Repeat Count = 1)	✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	3
TrqOvlSta_ESCState_State_M_enum	1
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	9588.80957
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	9588.80957
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	9588.80957
TrqOvlSta_HapticState_State_M_enum	0
TrqOvlSta_Hapticdur_Cnt_M_u16	4542
TrqOvlSta_Haptictime_Sec_M_f32	9588.80957
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	1.85000002
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.649999976
TrqOvlSta_LKAFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	3
TrqOvlSta_LKAState_State_M_enum	3
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	87.1999969
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0
k_APAIncludeHaptic_Cnt_lgc	1

Name	Input Value
k_APAMaxHwTrqTime_Sec_f32	0.596000016
k_APAMaxHwTrq_HwNm_f32	1.44000006
k_APAMaxVehSpd_Kph_f32	10.8000002
k_ESCMaxVehSpd_Kph_f32	130.300003
k_HapticAmplitude_MtrNm_f32	0.479999989
k_HapticDuration_Sec_f32	1.93499994
k_HapticFreq_Hz_f32	16.1000004
k_HapticReacttime_Sec_f32	0.287999988
k_LKAMaxVehSpd_Kph_f32	34.2000008
k_LKAMinVehSpd_Kph_f32	31.5
k_MaxHapticReqTime_Sec_f32	0.435000002
k_SWARLimiter_HwDeg_f32	29.5
k_ShiftLevRevTime_Sec_f32	0.0250000004
k_StandstillThresh_Kph_f32	0.159999996
k_StandstillTime_Sec_f32	0.0170000009
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-2.29999995
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-665.409973
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	977.5
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	-1.5
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	345.100006
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	314.200012
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.00999999978
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	27.7999992

TEST DETAILS REPORT

TrqOvlSta_Per1 — 2015-02-04, 12:57:03+0530

Name	Input Value		
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0		

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	4542	4542 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-0.327499747	-0.327499986 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	3	3 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	4	4	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	87.1999969	87.1999969 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	87.1999969	87.1999969 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.479999989	0.479999989 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	16.1000004	16.1000004 ± 0.0009765625	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.127 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	4
TrqOvlSta_ESCState_State_M_enum	2
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	10073.6396
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	10073.6396
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	10073.6396
TrqOvlSta_HapticState_State_M_enum	1
TrqOvlSta_Hapticdur_Cnt_M_u16	5524
TrqOvlSta_Haptictime_Sec_M_f32	10073.6396
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	2.20000005
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.661000013
TrqOvlSta_LKAFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_u08	4
TrqOvlSta_LKAState_State_M_enum	4
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	88.5999985
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
k_APAIncludeHaptic_Cnt_lgc	0
k_APAMaxHwTrqTime_Sec_f32	0.606999993
k_APAMaxHwTrq_HwNm_f32	1.51999998
k_APAMaxVehSpd_Kph_f32	12.6000004
k_ESCMaxVehSpd_Kph_f32	134
k_HapticAmplitude_MtrNm_f32	0.5
k_HapticDuration_Sec_f32	1.95000005
k_HapticFreq_Hz_f32	16.7999992
k_HapticReacttime_Sec_f32	0.30399999
k_LKAMaxVehSpd_Kph_f32	36.0999985
k_LKAMinVehSpd_Kph_f32	33.25
k_MaxHapticReqTime_Sec_f32	0.449999988
k_SWARLimiter_HwDeg_f32	29.7999992
k_ShiftLevRevTime_Sec_f32	0.0289999992
k_StandstillThresh_Kph_f32	0.200000003
k_StandstillTime_Sec_f32	0.0209999997

Name	Input Value
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-2.1500001
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-655.309998
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	982.440002
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	-1.10000002
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	355.399994
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	324.5
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.100000001
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-34.5
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✔
TrqOvlSta_ESCState_State_M_enum	3	3	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	10073.6396	10073.6396 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	1	1	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	5524	5524 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	10073.6396	10073.6396 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	2.20000005	2.20000005 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	4	4 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	4	4	✔

Name	Actual Value	Expected Value	Result
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.100000001	0.100000001 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	1	1	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.100000001	0.100000001 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.5	0.5 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	16.7999992	16.7999992 ± 0.0009765625	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.128 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	0
TrqOvlSta_ESCState_State_M_enum	3
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	10558.4697
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	10558.4697
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	10558.4697
TrqOvlSta_HapticState_State_M_enum	2
TrqOvlSta_Hapticdur_Cnt_M_u16	6506
TrqOvlSta_Haptictime_Sec_M_f32	10558.4697
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	2.54999995
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.671999991
TrqOvlSta_LKAFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	0
TrqOvlSta_LKAState_State_M_enum	0
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	10.1999998
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0
k_APAIncludeHaptic_Cnt_lgc	1
k_APAMaxHwTrqTime_Sec_f32	0.617999971
k_APAMaxHwTrq_HwNm_f32	1.60000002
k_APAMaxVehSpd_Kph_f32	14.3999996
k_ESCMaxVehSpd_Kph_f32	137.699997
k_HapticAmplitude_MtrNm_f32	0.519999981
k_HapticDuration_Sec_f32	1.96500003
k_HapticFreq_Hz_f32	17.5
k_HapticReacttime_Sec_f32	0.319999993
k_LKAMaxVehSpd_Kph_f32	38
k_LKAMinVehSpd_Kph_f32	35
k_MaxHapticReqTime_Sec_f32	0.465000004
k_SWARLimiter_HwDeg_f32	30.1000004
k_ShiftLevRevTime_Sec_f32	0.0329999998
k_StandstillThresh_Kph_f32	0.239999995
k_StandstillTime_Sec_f32	0.0250000004
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-1.70000005
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-645.210022
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	987.380005
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	-0.699999988
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	365.700012
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	334.799988
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.109999999
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	34.5
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	2	2	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	6506	6506 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	2.54999995	2.54999995 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	0	0 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	4	4	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	10.1999998	10.1999998 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	2	2	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	10.1999998	10.1999998 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.519999981	0.519999981 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	17.5	17.5 ± 0.0009765625	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.129 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	1
TrqOvlSta_ESCState_State_M_enum	4
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	11043.2998
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	11043.2998
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	11043.2998
TrqOvlSta_HapticState_State_M_enum	0
TrqOvlSta_Hapticdur_Cnt_M_u16	7488
TrqOvlSta_Haptictime_Sec_M_f32	11043.2998
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	2.9000001
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.683000028
TrqOvlSta_LKAFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_u08	1
TrqOvlSta_LKAState_State_M_enum	1
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	20.2000008
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
k_APAIncludeHaptic_Cnt_lgc	0
k_APAMaxHwTrqTime_Sec_f32	0.629000008
k_APAMaxHwTrq_HwNm_f32	1.67999995
k_APAMaxVehSpd_Kph_f32	16.2000008
k_ESCMaxVehSpd_Kph_f32	141.399994
k_HapticAmplitude_MtrNm_f32	0.540000021
k_HapticDuration_Sec_f32	1.98000002
k_HapticFreq_Hz_f32	18.2000008
k_HapticReacttime_Sec_f32	0.335999995
k_LKAMaxVehSpd_Kph_f32	39.9000015
k_LKAMinVehSpd_Kph_f32	36.75
k_MaxHapticReqTime_Sec_f32	0.479999989
k_SWARLimiter_HwDeg_f32	30.3999996
k_ShiftLevRevTime_Sec_f32	0.0370000005
k_StandstillThresh_Kph_f32	0.280000001
k_StandstillTime_Sec_f32	0.0289999992
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-1.54999995
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-635.109985
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	992.320007
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	-0.300000012
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	376
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	345.100006
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.119999997
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	0
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	3	3	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	11043.2998	11043.2998 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	7488	7488 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	11043.2998	11043.2998 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0.714400053	0.714399993 ± 0.0000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	1	1 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	3	3	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.119999997	0.119999997 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.119999997	0.119999997 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.540000021	0.540000021 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	18.2000008	18.2000008 ± 0.0009765625	✔

Test Step Call Trace   ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.130 (Repeat Count = 1)   ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	2
TrqOvlSta_ESCState_State_M_enum	0

Name	Input Value
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	11528.1299
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	11528.1299
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	11528.1299
TrqOvlSta_HapticState_State_M_enum	1
TrqOvlSta_Hapticdur_Cnt_M_u16	8470
TrqOvlSta_Haptictime_Sec_M_f32	11528.1299
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	3.25
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.694000006
TrqOvlSta_LKAFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	2
TrqOvlSta_LKAState_State_M_enum	2
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	30.2000008
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0
k_APAIncludeHaptic_Cnt_lgc	1
k_APAMaxHwTrqTime_Sec_f32	0.639999986
k_APAMaxHwTrq_HwNm_f32	1.75999999
k_APAMaxVehSpd_Kph_f32	18
k_ESCMaxVehSpd_Kph_f32	145.100006
k_HapticAmplitude_MtrNm_f32	0.560000002
k_HapticDuration_Sec_f32	1.995
k_HapticFreq_Hz_f32	18.8999996
k_HapticReacttime_Sec_f32	0.351999998
k_LKAMaxVehSpd_Kph_f32	41.7999992
k_LKAMinVehSpd_Kph_f32	38.5
k_MaxHapticReqTime_Sec_f32	0.495000005
k_SWARLimiter_HwDeg_f32	30.7000008
k_ShiftLevRevTime_Sec_f32	0.0410000011
k_StandstillThresh_Kph_f32	0.319999993
k_StandstillTime_Sec_f32	0.0329999998
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-1.39999998
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-625.01001
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	997.26001
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0

Name	Input Value
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	0.100000001
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	0.5
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	355.399994
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.129999995
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	22.5
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	1	1	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	8470	8470 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	3.25	3.25 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	2 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	4	4	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	30.2000008	30.2000008 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	1	1	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	30.2000008	30.2000008 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.560000002	0.560000002 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	18.8999996	18.8999996 ± 0.0009765625	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.131 (Repeat Count = 1)	✔
Name	**Input Value**
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	3
TrqOvlSta_ESCState_State_M_enum	1
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	12012.96
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	12012.96
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	12012.96
TrqOvlSta_HapticState_State_M_enum	2
TrqOvlSta_Hapticdur_Cnt_M_u16	9452
TrqOvlSta_Haptictime_Sec_M_f32	12012.96
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	3.5999999
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.704999983
TrqOvlSta_LKAFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_u08	3
TrqOvlSta_LKAState_State_M_enum	3
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	40.2000008
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
k_APAIncludeHaptic_Cnt_lgc	0

Name	Input Value
k_APAMaxHwTrqTime_Sec_f32	0.651000023
k_APAMaxHwTrq_HwNm_f32	1.84000003
k_APAMaxVehSpd_Kph_f32	19.7999992
k_ESCMaxVehSpd_Kph_f32	148.800003
k_HapticAmplitude_MtrNm_f32	0.579999983
k_HapticDuration_Sec_f32	0.50999999
k_HapticFreq_Hz_f32	19.6000004
k_HapticReacttime_Sec_f32	0.368000001
k_LKAMaxVehSpd_Kph_f32	43.7000008
k_LKAMinVehSpd_Kph_f32	40.25
k_MaxHapticReqTime_Sec_f32	0.50999999
k_SWARLimiter_HwDeg_f32	31
k_ShiftLevRevTime_Sec_f32	0.0450000018
k_StandstillThresh_Kph_f32	0.360000014
k_StandstillTime_Sec_f32	0.0370000005
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-0.949999988
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-614.909973
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	1002.20001
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	0.5
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	396.600006
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	365.700012
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.140000001
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-25.6000004

Name	Input Value		
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1		

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	3	3	✔
TrqOvlSta_ESCState_State_M_enum	3	3	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	12012.96	12012.96 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	2	2	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	9452	9452 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	12012.96	12012.96 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	3.5999999	3.5999999 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	3	3 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	3	3	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.140000001	0.140000001 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	2	2	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.140000001	0.140000001 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.579999983	0.579999983 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	19.6000004	19.6000004 ± 0.0009765625	✔

Test Step Call Trace					✔
Actual Function		**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached		1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection		1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached		1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.132 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	4	
TrqOvlSta_ESCState_State_M_enum	2	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	12497.79	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	12497.79	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	12497.79	
TrqOvlSta_HapticState_State_M_enum	0	
TrqOvlSta_Hapticdur_Cnt_M_u16	10434	
TrqOvlSta_Haptictime_Sec_M_f32	12497.79	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	3.95000005	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.00200000009	
TrqOvlSta_LKAFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_u08	4	
TrqOvlSta_LKAState_State_M_enum	4	
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	50.2000008	
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	
k_APAIncludeHaptic_Cnt_lgc	1	
k_APAMaxHwTrqTime_Sec_f32	0.662	
k_APAMaxHwTrq_HwNm_f32	1.91999996	
k_APAMaxVehSpd_Kph_f32	21.6000004	
k_ESCMaxVehSpd_Kph_f32	152.5	
k_HapticAmplitude_MtrNm_f32	0.600000024	
k_HapticDuration_Sec_f32	0.0149999997	
k_HapticFreq_Hz_f32	20.2999992	
k_HapticReacttime_Sec_f32	0.384000003	
k_LKAMaxVehSpd_Kph_f32	45.5999985	
k_LKAMinVehSpd_Kph_f32	42	
k_MaxHapticReqTime_Sec_f32	0.524999976	
k_SWARLimiter_HwDeg_f32	31.2999992	
k_ShiftLevRevTime_Sec_f32	0.0489999987	
k_StandstillThresh_Kph_f32	0.400000006	
k_StandstillTime_Sec_f32	0.0410000011	

Name	Input Value
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-0.800000012
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-604.809998
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	1007.14001
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	0.899999976
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	406.899994
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	376
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.150000006
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-32.5
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	12497.79	12497.79 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	10434	10434 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	3.94390011	3.94390011 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	4	4 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	4	4	✔

Name	Actual Value	Expected Value	Result
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	50.2000008	50.2000008 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	50.2000008	50.2000008 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.600000024	0.600000024 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	20.2999992	20.2999992 ± 0.0009765625	✔

Test Step Call Trace — ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.133 (Repeat Count = 1) — ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	0
TrqOvlSta_ESCState_State_M_enum	3
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	12982.6201
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	12982.6201
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	12982.6201
TrqOvlSta_HapticState_State_M_enum	1
TrqOvlSta_Hapticdur_Cnt_M_u16	11416
TrqOvlSta_Haptictime_Sec_M_f32	12982.6201
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	4.30000019
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.00419999985
TrqOvlSta_LKAFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_u08	0
TrqOvlSta_LKAState_State_M_enum	0
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	60.2000008
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
k_APAIncludeHaptic_Cnt_lgc	0
k_APAMaxHwTrqTime_Sec_f32	0.672999978
k_APAMaxHwTrq_HwNm_f32	2
k_APAMaxVehSpd_Kph_f32	23.3999996
k_ESCMaxVehSpd_Kph_f32	156.199997
k_HapticAmplitude_MtrNm_f32	0.620000005
k_HapticDuration_Sec_f32	0.0299999993
k_HapticFreq_Hz_f32	21
k_HapticReacttime_Sec_f32	0.400000006
k_LKAMaxVehSpd_Kph_f32	47.5
k_LKAMinVehSpd_Kph_f32	43.75
k_MaxHapticReqTime_Sec_f32	0.540000021
k_SWARLimiter_HwDeg_f32	31.6000004
k_ShiftLevRevTime_Sec_f32	0.0529999994
k_StandstillThresh_Kph_f32	0.439999998
k_StandstillTime_Sec_f32	0.0450000018
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-0.649999976
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-594.710022
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	1012.08002
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	1.29999995
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	417.200012
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	386.299988
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.159999996
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-30.6000004
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	3	3	✓
TrqOvlSta_ESCState_State_M_enum	3	3	✓
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✓
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	12982.6201	12982.6201 ± 1	✓
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✓
TrqOvlSta_HapticState_State_M_enum	1	1	✓
TrqOvlSta_Hapticdur_Cnt_M_u16	11416	11416 ± 1	✓
TrqOvlSta_Haptictime_Sec_M_f32	12982.6201	12982.6201 ± 1	✓
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	4.30000019	4.30000019 ± 0.000009	✓
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✓
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✓
TrqOvlSta_LKAPermFault_Cnt_M_u08	0	0 ± 1	✓
TrqOvlSta_LKAState_State_M_enum	3	3	✓
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.159999996	0.159999996 ± 0.0009765625	✓
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✓
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✓
tgt_TrqOvlSta_Per1_APAState_State_enum.value	3	3	✓
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✓
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	1	1	✓
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	3	3	✓
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✓
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.159999996	0.159999996 ± 0.0009765625	✓
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.620000005	0.620000005 ± 0.0009765625	✓
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	1	1 ± 1	✓
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	21	21 ± 0.0009765625	✓

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step Call Trace ✔

Test Step 2.134 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	1
TrqOvlSta_ESCState_State_M_enum	4
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	13467.4502
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	13467.4502
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	13467.4502
TrqOvlSta_HapticState_State_M_enum	2
TrqOvlSta_Hapticdur_Cnt_M_u16	12398
TrqOvlSta_Haptictime_Sec_M_f32	13467.4502
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	4.6500001
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.00639999984
TrqOvlSta_LKAFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	1
TrqOvlSta_LKAState_State_M_enum	1
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	70.1999969
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0
k_APAIncludeHaptic_Cnt_lgc	1
k_APAMaxHwTrqTime_Sec_f32	0.684000015
k_APAMaxHwTrq_HwNm_f32	2.07999992
k_APAMaxVehSpd_Kph_f32	25.2000008
k_ESCMaxVehSpd_Kph_f32	159.899994
k_HapticAmplitude_MtrNm_f32	0.639999986
k_HapticDuration_Sec_f32	0.0450000018
k_HapticFreq_Hz_f32	21.7000008
k_HapticReacttime_Sec_f32	0.416000009
k_LKAMaxVehSpd_Kph_f32	49.4000015
k_LKAMinVehSpd_Kph_f32	45.5
k_MaxHapticReqTime_Sec_f32	0.555000007
k_SWARLimiter_HwDeg_f32	31.8999996
k_ShiftLevRevTime_Sec_f32	0.057
k_StandstillThresh_Kph_f32	0.479999989
k_StandstillTime_Sec_f32	0.0489999987
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-0.200000003
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-1140.10999
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	360
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	1.70000005
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	427.5
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	396.600006
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.170000002
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-28.7000008
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	2	2	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	12398	12398 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	4.6500001	4.6500001 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	1	1 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	4	4	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	70.1999969	70.1999969 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	2	2	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	70.1999969	70.1999969 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.639999986	0.639999986 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	21.7000008	21.7000008 ± 0.0009765625	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.135 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	2
TrqOvlSta_ESCState_State_M_enum	0

Name	Input Value
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	13952.2803
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	13952.2803
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	13952.2803
TrqOvlSta_HapticState_State_M_enum	0
TrqOvlSta_Hapticdur_Cnt_M_u16	13380
TrqOvlSta_Haptictime_Sec_M_f32	13952.2803
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	5
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.00860000029
TrqOvlSta_LKAFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_u08	2
TrqOvlSta_LKAState_State_M_enum	2
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	80.1999969
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
k_APAIncludeHaptic_Cnt_lgc	0
k_APAMaxHwTrqTime_Sec_f32	0.694999993
k_APAMaxHwTrq_HwNm_f32	2.16000009
k_APAMaxVehSpd_Kph_f32	27
k_ESCMaxVehSpd_Kph_f32	163.600006
k_HapticAmplitude_MtrNm_f32	0.660000026
k_HapticDuration_Sec_f32	0.0599999987
k_HapticFreq_Hz_f32	22.3999996
k_HapticReacttime_Sec_f32	0.432000011
k_LKAMaxVehSpd_Kph_f32	51.2999992
k_LKAMinVehSpd_Kph_f32	47.25
k_MaxHapticReqTime_Sec_f32	0.569999993
k_SWARLimiter_HwDeg_f32	32.2000008
k_ShiftLevRevTime_Sec_f32	0.0610000007
k_StandstillThresh_Kph_f32	0.519999981
k_StandstillTime_Sec_f32	0.0529999994
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-0.0500000007
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-1100.20996
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	1440.10999
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1

Name	Input Value
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	2.0999999
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	0.5
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	406.899994
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.180000007
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-26.7999992
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	3	3	✔
TrqOvlSta_ESCState_State_M_enum	3	3	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	13952.2803	13952.2803 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	13952.2803	13952.2803 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	13952.2803	13952.2803 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	13380	13380 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	13952.2803	13952.2803 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	4.97505999	4.97505999 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	2 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	3	3	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.180000007	0.180000007 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.180000007	0.180000007 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.660000026	0.660000026 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	22.3999996	22.3999996 ± 0.0009765625	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.136 (Repeat Count = 1)	✔
Name	**Input Value**
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	3
TrqOvlSta_ESCState_State_M_enum	1
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	14437.1104
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	14437.1104
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	14437.1104
TrqOvlSta_HapticState_State_M_enum	1
TrqOvlSta_Hapticdur_Cnt_M_u16	14362
TrqOvlSta_Haptictime_Sec_M_f32	14437.1104
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	5.3499999
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0108000003
TrqOvlSta_LKAFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	3
TrqOvlSta_LKAState_State_M_enum	3
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	11.1000004
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0
k_APAIncludeHaptic_Cnt_lgc	1

Name	Input Value
k_APAMaxHwTrqTime_Sec_f32	0.70599997
k_APAMaxHwTrq_HwNm_f32	2.24000001
k_APAMaxVehSpd_Kph_f32	28.7999992
k_ESCMaxVehSpd_Kph_f32	167.300003
k_HapticAmplitude_MtrNm_f32	0.680000007
k_HapticDuration_Sec_f32	0.075000003
k_HapticFreq_Hz_f32	23.1000004
k_HapticReacttime_Sec_f32	0.448000014
k_LKAMaxVehSpd_Kph_f32	53.2000008
k_LKAMinVehSpd_Kph_f32	49
k_MaxHapticReqTime_Sec_f32	0.584999979
k_SWARLimiter_HwDeg_f32	32.5
k_ShiftLevRevTime_Sec_f32	0.0649999976
k_StandstillThresh_Kph_f32	0.560000002
k_StandstillTime_Sec_f32	0.057
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	0.100000001
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-1060.31006
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	750
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	2.5
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	448.100006
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	417.200012
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.189999998
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-24.8999996

Name	Input Value		
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0		

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✓
TrqOvlSta_ESCState_State_M_enum	4	4	✓
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✓
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	✓
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✓
TrqOvlSta_HapticState_State_M_enum	1	1	✓
TrqOvlSta_Hapticdur_Cnt_M_u16	14362	14362 ± 1	✓
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✓
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	5.3499999	5.3499999 ± 0.000009	✓
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✓
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✓
TrqOvlSta_LKAPermFault_Cnt_M_u08	3	3 ± 1	✓
TrqOvlSta_LKAState_State_M_enum	4	4	✓
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	11.1000004	11.1000004 ± 0.0009765625	✓
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✓
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✓
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✓
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✓
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	1	1	✓
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	✓
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✓
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	11.1000004	11.1000004 ± 0.0009765625	✓
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.680000007	0.680000007 ± 0.0009765625	✓
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	1	1 ± 1	✓
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	23.1000004	23.1000004 ± 0.0009765625	✓

Test Step Call Trace					✓
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached		1	✓
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection		1	✓
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached		1	✓

Test Step 2.137 (Repeat Count = 1)		✓
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	1	
TrqOvlSta_ESCState_State_M_enum	4	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	15891.5996	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	15891.5996	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	15891.5996	
TrqOvlSta_HapticState_State_M_enum	1	
TrqOvlSta_Hapticdur_Cnt_M_u16	17308	
TrqOvlSta_Haptictime_Sec_M_f32	15891.5996	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	6.4000001	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0174000002	
TrqOvlSta_LKAFault_Cnt_M_lgc	1	
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	
TrqOvlSta_LKAPermFault_Cnt_M_u08	1	
TrqOvlSta_LKAState_State_M_enum	1	
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	14.3999996	
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	
k_APAIncludeHaptic_Cnt_lgc	0	
k_APAMaxHwTrqTime_Sec_f32	0.739000022	
k_APAMaxHwTrq_HwNm_f32	2.48000002	
k_APAMaxVehSpd_Kph_f32	34.2000008	
k_ESCMaxVehSpd_Kph_f32	19.2000008	
k_HapticAmplitude_MtrNm_f32	0.129999995	
k_HapticDuration_Sec_f32	0.119999997	
k_HapticFreq_Hz_f32	25.2000008	
k_HapticReacttime_Sec_f32	0.495999992	
k_LKAMaxVehSpd_Kph_f32	58.9000015	
k_LKAMinVehSpd_Kph_f32	54.25	
k_MaxHapticReqTime_Sec_f32	0.629999995	
k_SWARLimiter_HwDeg_f32	33.4000015	
k_ShiftLevRevTime_Sec_f32	0.0769999996	
k_StandstillThresh_Kph_f32	0.680000007	
k_StandstillTime_Sec_f32	0.0689999983	

Name	Input Value
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	0.850000024
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-1440.10999
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	1007.14001
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	3.70000005
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	479
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	448.100006
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.119999997
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-19.2000008
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	3	3	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	15891.5996	15891.5996 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	17308	17308 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	15891.5996	15891.5996 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	6.4000001	6.4000001 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	1	1 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	3	3	✔

TEST DETAILS REPORT   2015-02-04, 12:57:03+0530

TrqOvlSta_Per1

Name	Actual Value	Expected Value	Result
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.119999997	0.119999997 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.119999997	0.119999997 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.129999995	0.129999995 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	25.2000008	25.2000008 ± 0.0009765625	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.138 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	2
TrqOvlSta_ESCState_State_M_enum	0
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	16376.4297
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	16376.4297
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	16376.4297
TrqOvlSta_HapticState_State_M_enum	2
TrqOvlSta_Hapticdur_Cnt_M_u16	18290
TrqOvlSta_Haptictime_Sec_M_f32	16376.4297
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	6.75
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0196000002
TrqOvlSta_LKAFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	2
TrqOvlSta_LKAState_State_M_enum	2
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	15.5
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0
k_APAIncludeHaptic_Cnt_lgc	1
k_APAMaxHwTrqTime_Sec_f32	0.75
k_APAMaxHwTrq_HwNm_f32	2.55999994
k_APAMaxVehSpd_Kph_f32	36
k_ESCMaxVehSpd_Kph_f32	24.7000008
k_HapticAmplitude_MtrNm_f32	0.150000006
k_HapticDuration_Sec_f32	0.135000005
k_HapticFreq_Hz_f32	25.8999996
k_HapticReacttime_Sec_f32	0.512000024
k_LKAMaxVehSpd_Kph_f32	60.7999992
k_LKAMinVehSpd_Kph_f32	56
k_MaxHapticReqTime_Sec_f32	0.644999981
k_SWARLimiter_HwDeg_f32	33.7000008
k_ShiftLevRevTime_Sec_f32	0.0810000002
k_StandstillThresh_Kph_f32	0.720000029
k_StandstillTime_Sec_f32	0.0729999989
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	1
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-360
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	1012.08002
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	4.0999999
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	489.299988
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	458.399994
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.129999995
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-17.2999992
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	2	2	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	18290	18290 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	6.75	6.75 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	2 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	4	4	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	15.5	15.5 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	2	2	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	15.5	15.5 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.150000006	0.150000006 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	25.8999996	25.8999996 ± 0.0009765625	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.139 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	0
TrqOvlSta_ESCState_State_M_enum	3
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	12982.6201
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	12982.6201
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	12982.6201
TrqOvlSta_HapticState_State_M_enum	1
TrqOvlSta_Hapticdur_Cnt_M_u16	11416
TrqOvlSta_Haptictime_Sec_M_f32	12982.6201
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	4.30000019
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.00419999985
TrqOvlSta_LKAFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_u08	0
TrqOvlSta_LKAState_State_M_enum	0
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	60.2000008
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
k_APAIncludeHaptic_Cnt_lgc	0
k_APAMaxHwTrqTime_Sec_f32	0.672999978
k_APAMaxHwTrq_HwNm_f32	2
k_APAMaxVehSpd_Kph_f32	23.3999996
k_ESCMaxVehSpd_Kph_f32	156.199997
k_HapticAmplitude_MtrNm_f32	0.620000005
k_HapticDuration_Sec_f32	0.0299999993
k_HapticFreq_Hz_f32	21
k_HapticReacttime_Sec_f32	0.400000006
k_LKAMaxVehSpd_Kph_f32	47.5
k_LKAMinVehSpd_Kph_f32	43.75
k_MaxHapticReqTime_Sec_f32	0.540000021
k_SWARLimiter_HwDeg_f32	31.6000004
k_ShiftLevRevTime_Sec_f32	0.0529999994
k_StandstillThresh_Kph_f32	0.439999998
k_StandstillTime_Sec_f32	0.0450000018
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-0.649999976
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-750
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	1017.02002
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	1.29999995
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	499.600006
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	386.299988
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.159999996
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-30.6000004
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	3	3	✔
TrqOvlSta_ESCState_State_M_enum	3	3	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	12982.6201	12982.6201 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	1	1	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	11416	11416 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	12982.6201	12982.6201 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	4.30000019	4.30000019 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	0	0 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	3	3	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.159999996	0.159999996 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	1	1	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.159999996	0.159999996 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.620000005	0.620000005 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	21	21 ± 0.0009765625	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.140 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	1
TrqOvlSta_ESCState_State_M_enum	4

Name	Input Value
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	18460.6309
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	18460.6309
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	18460.6309
TrqOvlSta_HapticState_State_M_enum	0
TrqOvlSta_Hapticdur_Cnt_M_u16	22218
TrqOvlSta_Haptictime_Sec_M_f32	18460.6309
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	8.14999962
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0284000002
TrqOvlSta_LKAFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	1
TrqOvlSta_LKAState_State_M_enum	1
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	19.8999996
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0
k_APAIncludeHaptic_Cnt_lgc	1
k_APAMaxHwTrqTime_Sec_f32	0.79400003
k_APAMaxHwTrq_HwNm_f32	2.88000011
k_APAMaxVehSpd_Kph_f32	43.2000008
k_ESCMaxVehSpd_Kph_f32	46.7000008
k_HapticAmplitude_MtrNm_f32	0.230000004
k_HapticDuration_Sec_f32	0.194999993
k_HapticFreq_Hz_f32	28.7000008
k_HapticReacttime_Sec_f32	0.575999975
k_LKAMaxVehSpd_Kph_f32	68.4000015
k_LKAMinVehSpd_Kph_f32	63
k_MaxHapticReqTime_Sec_f32	0.704999983
k_SWARLimiter_HwDeg_f32	34.9000015
k_ShiftLevRevTime_Sec_f32	0.0970000029
k_StandstillThresh_Kph_f32	0.879999995
k_StandstillTime_Sec_f32	0.0890000015
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	1.60000002
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-1020.40997
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	1021.96002
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0

Name	Input Value
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	5.69999981
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	0.5
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	499.600006
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.200000003
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-9.69999981
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✓
TrqOvlSta_ESCState_State_M_enum	4	4	✓
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	18460.6309	18460.6309 ± 1	✓
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	✓
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	18460.6309	18460.6309 ± 1	✓
TrqOvlSta_HapticState_State_M_enum	0	0	✓
TrqOvlSta_Hapticdur_Cnt_M_u16	22218	22218 ± 1	✓
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✓
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	8.08041954	8.08041954 ± 0.000009	✓
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✓
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✓
TrqOvlSta_LKAPermFault_Cnt_M_u08	1	1 ± 1	✓
TrqOvlSta_LKAState_State_M_enum	4	4	✓
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	19.8999996	19.8999996 ± 0.0009765625	✓
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✓
tgt_TrqOvlSta_Per1_APADvrInterventionDetected_Cnt_lgc.value	1	1 ± 1	✓
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✓
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✓
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✓
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	✓
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✓
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	19.8999996	19.8999996 ± 0.0009765625	✓
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.230000004	0.230000004 ± 0.0009765625	✓
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✓
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	28.7000008	28.7000008 ± 0.0009765625	✓

Test Step Call Trace				✓
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✓
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✓
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✓

Test Step 2.141 (Repeat Count = 1)	✓
Name	**Input Value**
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	2
TrqOvlSta_ESCState_State_M_enum	0
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	21465
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	21465
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	21465
TrqOvlSta_HapticState_State_M_enum	1
TrqOvlSta_Hapticdur_Cnt_M_u16	23200
TrqOvlSta_Haptictime_Sec_M_f32	21465
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	8.5
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0306000002
TrqOvlSta_LKAFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_u08	2
TrqOvlSta_LKAState_State_M_enum	2
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	21
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
k_APAIncludeHaptic_Cnt_lgc	0

Name	Input Value
k_APAMaxHwTrqTime_Sec_f32	0.805000007
k_APAMaxHwTrq_HwNm_f32	2.96000004
k_APAMaxVehSpd_Kph_f32	45
k_ESCMaxVehSpd_Kph_f32	52.2000008
k_HapticAmplitude_MtrNm_f32	0.25
k_HapticDuration_Sec_f32	0.209999993
k_HapticFreq_Hz_f32	29.3999996
k_HapticReacttime_Sec_f32	0.592000008
k_LKAMaxVehSpd_Kph_f32	70.3000031
k_LKAMinVehSpd_Kph_f32	64.75
k_MaxHapticReqTime_Sec_f32	0.720000029
k_SWARLimiter_HwDeg_f32	35.2000008
k_ShiftLevRevTime_Sec_f32	0.101000004
k_StandstillThresh_Kph_f32	0.920000017
k_StandstillTime_Sec_f32	0.0930000022
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	1.75
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-980.51001
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	1026.90002
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	6.0999999
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	113.5
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	98.8000031
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.159999996
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-7.80000019

Name	Input Value		
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1		

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	3	3	✔
TrqOvlSta_ESCState_State_M_enum	3	3	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	21465	21465 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	1	1	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	23200	23200 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	21465	21465 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	8.5	8.5 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	2 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	3	3	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.159999996	0.159999996 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	1	1	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.159999996	0.159999996 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.25	0.25 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	29.3999996	29.3999996 ± 0.0009765625	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.142 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	3	
TrqOvlSta_ESCState_State_M_enum	1	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	24470	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	24470	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	24470	
TrqOvlSta_HapticState_State_M_enum	2	
TrqOvlSta_Hapticdur_Cnt_M_u16	24182	
TrqOvlSta_Haptictime_Sec_M_f32	24470	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	8.85000038	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0328000002	
TrqOvlSta_LKAFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_u08	3	
TrqOvlSta_LKAState_State_M_enum	3	
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	22.1000004	
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	
k_APAIncludeHaptic_Cnt_lgc	1	
k_APAMaxHwTrqTime_Sec_f32	0.815999985	
k_APAMaxHwTrq_HwNm_f32	3.03999996	
k_APAMaxVehSpd_Kph_f32	46.7999992	
k_ESCMaxVehSpd_Kph_f32	57.7000008	
k_HapticAmplitude_MtrNm_f32	0.270000011	
k_HapticDuration_Sec_f32	0.224999994	
k_HapticFreq_Hz_f32	30.1000004	
k_HapticReacttime_Sec_f32	0.60799998	
k_LKAMaxVehSpd_Kph_f32	72.1999969	
k_LKAMinVehSpd_Kph_f32	66.5	
k_MaxHapticReqTime_Sec_f32	0.735000014	
k_SWARLimiter_HwDeg_f32	35.5	
k_ShiftLevRevTime_Sec_f32	0.104999997	
k_StandstillThresh_Kph_f32	0.959999979	
k_StandstillTime_Sec_f32	0.0970000029	

Name	Input Value
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	1.89999998
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-940.609985
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	1031.83997
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	6.5
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	118.400002
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	103.699997
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.170000002
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-5.9000001
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	2	2	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	24182	24182 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	8.85000038	8.85000038 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	3	3 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	4	4	✔

Name	Actual Value	Expected Value	Result
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	22.1000004	22.1000004 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	2	2	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	22.1000004	22.1000004 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.270000011	0.270000011 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	30.1000004	30.1000004 ± 0.0009765625	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.143 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	4
TrqOvlSta_ESCState_State_M_enum	2
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	27475.5293
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	27475.5293
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	27475.5293
TrqOvlSta_HapticState_State_M_enum	0
TrqOvlSta_Hapticdur_Cnt_M_u16	25164
TrqOvlSta_Haptictime_Sec_M_f32	27475.5293
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	9.19999981
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0350000001
TrqOvlSta_LKAFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_u08	4
TrqOvlSta_LKAState_State_M_enum	4
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	23.2000008
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
k_APAIncludeHaptic_Cnt_lgc	0
k_APAMaxHwTrqTime_Sec_f32	0.827000022
k_APAMaxHwTrq_HwNm_f32	3.11999989
k_APAMaxVehSpd_Kph_f32	48.5999985
k_ESCMaxVehSpd_Kph_f32	63.2000008
k_HapticAmplitude_MtrNm_f32	0.289999992
k_HapticDuration_Sec_f32	0.239999995
k_HapticFreq_Hz_f32	30.7999992
k_HapticReacttime_Sec_f32	0.624000013
k_LKAMaxVehSpd_Kph_f32	74.0999985
k_LKAMinVehSpd_Kph_f32	68.25
k_MaxHapticReqTime_Sec_f32	0.75
k_SWARLimiter_HwDeg_f32	35.7999992
k_ShiftLevRevTime_Sec_f32	0.108999997
k_StandstillThresh_Kph_f32	1
k_StandstillTime_Sec_f32	0.101000004
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	2.04999995
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-900.710022
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	1036.78003
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	6.9000001
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	123.300003
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	108.599998
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.180000007
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-4
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✔
TrqOvlSta_ESCState_State_M_enum	3	3	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	27475.5293	27475.5293 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	27475.5293	27475.5293 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	25164	25164 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	27475.5293	27475.5293 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	9.11950016	9.11950016 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	4	4 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	4	4	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.180000007	0.180000007 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.180000007	0.180000007 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.289999992	0.289999992 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	30.7999992	30.7999992 ± 0.0009765625	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.144 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	0
TrqOvlSta_ESCState_State_M_enum	3
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	30480
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	30480
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	30480
TrqOvlSta_HapticState_State_M_enum	1
TrqOvlSta_Hapticdur_Cnt_M_u16	26146
TrqOvlSta_Haptictime_Sec_M_f32	30480
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	9.55000019
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0372000001
TrqOvlSta_LKAFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	0
TrqOvlSta_LKAState_State_M_enum	0
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	24.2999992
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0
k_APAIncludeHaptic_Cnt_lgc	1
k_APAMaxHwTrqTime_Sec_f32	0.838
k_APAMaxHwTrq_HwNm_f32	3.20000005
k_APAMaxVehSpd_Kph_f32	50.4000015
k_ESCMaxVehSpd_Kph_f32	68.6999969
k_HapticAmplitude_MtrNm_f32	0.310000002
k_HapticDuration_Sec_f32	0.254999995
k_HapticFreq_Hz_f32	31.5
k_HapticReacttime_Sec_f32	0.671999991
k_LKAMaxVehSpd_Kph_f32	79.8000031
k_LKAMinVehSpd_Kph_f32	73.5
k_MaxHapticReqTime_Sec_f32	0.764999986
k_SWARLimiter_HwDeg_f32	36.0999985
k_ShiftLevRevTime_Sec_f32	0.112999998
k_StandstillThresh_Kph_f32	1.03999996
k_StandstillTime_Sec_f32	0.104999997
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	2.20000005
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-860.809998
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	1041.71997
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	7.30000019
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	128.199997
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	113.5
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.189999998
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-2.0999999
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	1	1	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	26146	26146 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	9.55000019	9.55000019 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	0	0 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	4	4	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	24.2999992	24.2999992 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	1	1	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	24.2999992	24.2999992 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.310000002	0.310000002 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	31.5	31.5 ± 0.0009765625	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.145 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	1	
TrqOvlSta_ESCState_State_M_enum	4	

Name	Input Value
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	33485
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	33485
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	33485
TrqOvlSta_HapticState_State_M_enum	2
TrqOvlSta_Hapticdur_Cnt_M_u16	27128
TrqOvlSta_Haptictime_Sec_M_f32	33485
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	9.89999962
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0394000001
TrqOvlSta_LKAFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_u08	1
TrqOvlSta_LKAState_State_M_enum	1
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	25.3999996
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
k_APAIncludeHaptic_Cnt_lgc	0
k_APAMaxHwTrqTime_Sec_f32	0.848999977
k_APAMaxHwTrq_HwNm_f32	3.27999997
k_APAMaxVehSpd_Kph_f32	52.2000008
k_ESCMaxVehSpd_Kph_f32	74.1999969
k_HapticAmplitude_MtrNm_f32	0.330000013
k_HapticDuration_Sec_f32	0.270000011
k_HapticFreq_Hz_f32	32.2000008
k_HapticReacttime_Sec_f32	0.688000023
k_LKAMaxVehSpd_Kph_f32	81.6999969
k_LKAMinVehSpd_Kph_f32	75.25
k_MaxHapticReqTime_Sec_f32	0.779999971
k_SWARLimiter_HwDeg_f32	36.4000015
k_ShiftLevRevTime_Sec_f32	0.116999999
k_StandstillThresh_Kph_f32	1.08000004
k_StandstillTime_Sec_f32	0.108999997
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	2.3499999
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-820.909973
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	1046.66003
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1

Name	Input Value
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	7.69999981
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	0.5
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	118.400002
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.100000001
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-0.200000003
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	3	3	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	33485	33485 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	33485	33485 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	27128	27128 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	33485	33485 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	9.89999962	9.89999962 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	1	1 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	3	3	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.100000001	0.100000001 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.100000001	0.100000001 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.330000013	0.330000013 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	32.2000008	32.2000008 ± 0.0009765625	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.146 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	2	
TrqOvlSta_ESCState_State_M_enum	0	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	36490.3516	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	36490.3516	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	36490.3516	
TrqOvlSta_HapticState_State_M_enum	0	
TrqOvlSta_Hapticdur_Cnt_M_u16	28110	
TrqOvlSta_Haptictime_Sec_M_f32	36490.3516	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	1.10000002	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0416000001	
TrqOvlSta_LKAFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	
TrqOvlSta_LKAState_State_M_enum	2	
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	26.5	
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	
k_APAIncludeHaptic_Cnt_lgc	1	

Name	Input Value
k_APAMaxHwTrqTime_Sec_f32	0.860000014
k_APAMaxHwTrq_HwNm_f32	3.3599999
k_APAMaxVehSpd_Kph_f32	54
k_ESCMaxVehSpd_Kph_f32	79.6999969
k_HapticAmplitude_MtrNm_f32	0.349999994
k_HapticDuration_Sec_f32	0.284999996
k_HapticFreq_Hz_f32	32.9000015
k_HapticReacttime_Sec_f32	0.703999996
k_LKAMaxVehSpd_Kph_f32	83.5999985
k_LKAMinVehSpd_Kph_f32	77
k_MaxHapticReqTime_Sec_f32	0.795000017
k_SWARLimiter_HwDeg_f32	36.7000008
k_ShiftLevRevTime_Sec_f32	0.120999999
k_StandstillThresh_Kph_f32	1.12
k_StandstillTime_Sec_f32	0.112999998
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	2.5
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-781.01001
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	1051.59998
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	8.10000038
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	138
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	123.300003
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.109999999
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	1.70000005

Name	Input Value		
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0		

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	1	1	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	28110	28110 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	1.39120007	1.39119995 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	2 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	4	4	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	26.5	26.5 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	1	1	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	26.5	26.5 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.349999994	0.349999994 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	32.9000015	32.9000015 ± 0.0009765625	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.147 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	3	
TrqOvlSta_ESCState_State_M_enum	1	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	39495	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	39495	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	39495	
TrqOvlSta_HapticState_State_M_enum	1	
TrqOvlSta_Hapticdur_Cnt_M_u16	29092	
TrqOvlSta_Haptictime_Sec_M_f32	39495	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	1.20000005	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0438000001	
TrqOvlSta_LKAFault_Cnt_M_lgc	1	
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	
TrqOvlSta_LKAPermFault_Cnt_M_u08	3	
TrqOvlSta_LKAState_State_M_enum	3	
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	27.6000004	
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	
k_APAIncludeHaptic_Cnt_lgc	0	
k_APAMaxHwTrqTime_Sec_f32	0.870999992	
k_APAMaxHwTrq_HwNm_f32	3.44000006	
k_APAMaxVehSpd_Kph_f32	55.7999992	
k_ESCMaxVehSpd_Kph_f32	85.1999969	
k_HapticAmplitude_MtrNm_f32	0.370000005	
k_HapticDuration_Sec_f32	0.300000012	
k_HapticFreq_Hz_f32	33.5999985	
k_HapticReacttime_Sec_f32	0.720000029	
k_LKAMaxVehSpd_Kph_f32	85.5	
k_LKAMinVehSpd_Kph_f32	78.75	
k_MaxHapticReqTime_Sec_f32	0.810000002	
k_SWARLimiter_HwDeg_f32	37	
k_ShiftLevRevTime_Sec_f32	0.125	
k_StandstillThresh_Kph_f32	1.15999997	
k_StandstillTime_Sec_f32	0.116999999	

Name	Input Value
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	2.6500001
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-741.109985
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	1056.54004
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	1.20000005
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	142.899994
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	128.199997
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.119999997
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	3.5999999
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	3	3	✔
TrqOvlSta_ESCState_State_M_enum	3	3	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	39495	39495 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	1	1	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	29092	29092 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	39495	39495 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	1.20000005	1.20000005 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	3	3 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	3	3	✔

Name	Actual Value	Expected Value	Result
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.119999997	0.119999997 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	1	1	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.119999997	0.119999997 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.370000005	0.370000005 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	33.5999985	33.5999985 ± 0.0009765625	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.148 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	4
TrqOvlSta_ESCState_State_M_enum	2
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	42500
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	42500
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	42500
TrqOvlSta_HapticState_State_M_enum	2
TrqOvlSta_Hapticdur_Cnt_M_u16	30074
TrqOvlSta_Haptictime_Sec_M_f32	42500
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	1.29999995
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0460000001
TrqOvlSta_LKAFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	4
TrqOvlSta_LKAState_State_M_enum	4
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	28.7000008
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0
k_APAIncludeHaptic_Cnt_lgc	1
k_APAMaxHwTrqTime_Sec_f32	0.882000029
k_APAMaxHwTrq_HwNm_f32	3.51999998
k_APAMaxVehSpd_Kph_f32	57.5999985
k_ESCMaxVehSpd_Kph_f32	90.6999969
k_HapticAmplitude_MtrNm_f32	0.389999986
k_HapticDuration_Sec_f32	0.314999998
k_HapticFreq_Hz_f32	34.2999992
k_HapticReacttime_Sec_f32	0.736000001
k_LKAMaxVehSpd_Kph_f32	87.4000015
k_LKAMinVehSpd_Kph_f32	80.5
k_MaxHapticReqTime_Sec_f32	0.824999988
k_SWARLimiter_HwDeg_f32	37.2999992
k_ShiftLevRevTime_Sec_f32	0.128999993
k_StandstillThresh_Kph_f32	1.20000005
k_StandstillTime_Sec_f32	0.120999999
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	2.3499999
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-701.210022
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	1061.47998
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	1.5
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	147.800003
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	133.100006
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.129999995
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	5.5
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	2	2	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	30074	30074 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	1.29999995	1.29999995 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	4	4 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	4	4	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	28.7000008	28.7000008 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	2	2	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	28.7000008	28.7000008 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.389999986	0.389999986 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	34.2999992	34.2999992 ± 0.0009765625	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.149 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	0
TrqOvlSta_ESCState_State_M_enum	3
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	45505
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	45505
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	45505
TrqOvlSta_HapticState_State_M_enum	0
TrqOvlSta_Hapticdur_Cnt_M_u16	31056
TrqOvlSta_Haptictime_Sec_M_f32	45505
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	1.39999998
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0482000001
TrqOvlSta_LKAFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_u08	0
TrqOvlSta_LKAState_State_M_enum	0
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	29.7999992
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
k_APAIncludeHaptic_Cnt_lgc	0
k_APAMaxHwTrqTime_Sec_f32	0.893000007
k_APAMaxHwTrq_HwNm_f32	3.5999999
k_APAMaxVehSpd_Kph_f32	59.4000015
k_ESCMaxVehSpd_Kph_f32	96.1999969
k_HapticAmplitude_MtrNm_f32	0.409999996
k_HapticDuration_Sec_f32	0.330000013
k_HapticFreq_Hz_f32	35
k_HapticReacttime_Sec_f32	0.751999974
k_LKAMaxVehSpd_Kph_f32	89.3000031
k_LKAMinVehSpd_Kph_f32	82.25
k_MaxHapticReqTime_Sec_f32	0.839999974
k_SWARLimiter_HwDeg_f32	37.5999985
k_ShiftLevRevTime_Sec_f32	0.133000001
k_StandstillThresh_Kph_f32	1.24000001
k_StandstillTime_Sec_f32	0.125
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	2.5
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-661.309998
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	1066.42004
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	1.79999995
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	152.699997
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	138
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.140000001
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	7.4000001
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	3	3	✔
TrqOvlSta_ESCState_State_M_enum	3	3	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	45505	45505 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	31056	31056 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	45505	45505 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	1.41927993	1.41928005 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	0	0 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	3	3	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.140000001	0.140000001 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.140000001	0.140000001 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.409999996	0.409999996 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	35	35 ± 0.0009765625	✔

Test Step Call Trace   ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.150 (Repeat Count = 1)   ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	1
TrqOvlSta_ESCState_State_M_enum	4

Name	Input Value
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	48510.3398
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	48510.3398
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	48510.3398
TrqOvlSta_HapticState_State_M_enum	1
TrqOvlSta_Hapticdur_Cnt_M_u16	32038
TrqOvlSta_Haptictime_Sec_M_f32	48510.3398
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	1.5
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0504000001
TrqOvlSta_LKAFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	1
TrqOvlSta_LKAState_State_M_enum	1
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	30.8999996
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0
k_APAIncludeHaptic_Cnt_lgc	1
k_APAMaxHwTrqTime_Sec_f32	0.903999984
k_APAMaxHwTrq_HwNm_f32	3.68000007
k_APAMaxVehSpd_Kph_f32	61.2000008
k_ESCMaxVehSpd_Kph_f32	101.699997
k_HapticAmplitude_MtrNm_f32	0.430000007
k_HapticDuration_Sec_f32	0.344999999
k_HapticFreq_Hz_f32	35.7000008
k_HapticReacttime_Sec_f32	0.768000007
k_LKAMaxVehSpd_Kph_f32	91.1999969
k_LKAMinVehSpd_Kph_f32	84
k_MaxHapticReqTime_Sec_f32	0.855000019
k_SWARLimiter_HwDeg_f32	37.9000015
k_ShiftLevRevTime_Sec_f32	0.136999995
k_StandstillThresh_Kph_f32	1.27999997
k_StandstillTime_Sec_f32	0.128999993
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	2.6500001
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-621.409973
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	1071.35999
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0

Name	Input Value
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	2.0999999
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	0.5
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	142.899994
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.150000006
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	9.30000019
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	0	0	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRev_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	48510.3398	48510.3398 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	32038	32038 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	1.5	1.5 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	1	1 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	4	4	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	30.8999996	30.8999996 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	30.8999996	30.8999996 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.430000007	0.430000007 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	35.7000008	35.7000008 ± 0.0009765625	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached		1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection		1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached		1	✔

Test Step 2.151 (Repeat Count = 1)	✔
Name	**Input Value**
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	2
TrqOvlSta_ESCState_State_M_enum	1
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	51515
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	51515
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	51515
TrqOvlSta_HapticState_State_M_enum	2
TrqOvlSta_Hapticdur_Cnt_M_u16	33020
TrqOvlSta_Haptictime_Sec_M_f32	51515
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	1.60000002
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0526000001
TrqOvlSta_LKAFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_u08	2
TrqOvlSta_LKAState_State_M_enum	2
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	32
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
k_APAIncludeHaptic_Cnt_lgc	0

Name	Input Value
k_APAMaxHwTrqTime_Sec_f32	0.915000021
k_APAMaxHwTrq_HwNm_f32	3.75999999
k_APAMaxVehSpd_Kph_f32	63
k_ESCMaxVehSpd_Kph_f32	0
k_HapticAmplitude_MtrNm_f32	0.449999988
k_HapticDuration_Sec_f32	0.360000014
k_HapticFreq_Hz_f32	36.4000015
k_HapticReacttime_Sec_f32	0.783999979
k_LKAMaxVehSpd_Kph_f32	93.0999985
k_LKAMinVehSpd_Kph_f32	85.75
k_MaxHapticReqTime_Sec_f32	0.870000005
k_SWARLimiter_HwDeg_f32	38.2000008
k_ShiftLevRevTime_Sec_f32	0.141000003
k_StandstillThresh_Kph_f32	1.32000005
k_StandstillTime_Sec_f32	0.133000001
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	3.4000001
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-581.51001
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	1076.30005
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	2.4000001
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	162.5
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	147.800003
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.159999996
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	11.1999998

Name	Input Value		
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1		

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	3	3	✔
TrqOvlSta_ESCState_State_M_enum	0	0	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	51515	51515 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	2	2	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	33020	33020 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	51515	51515 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	1.60000002	1.60000002 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	2 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	3	3	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.159999996	0.159999996 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	2	2	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.159999996	0.159999996 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.449999988	0.449999988 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	36.4000015	36.4000015 ± 0.0009765625	✔

Test Step Call Trace   ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.152 (Repeat Count = 1)   ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	3
TrqOvlSta_ESCState_State_M_enum	1
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	54520
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	54520
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	54520
TrqOvlSta_HapticState_State_M_enum	0
TrqOvlSta_Hapticdur_Cnt_M_u16	34002
TrqOvlSta_Haptictime_Sec_M_f32	54520
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	1.70000005
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0548
TrqOvlSta_LKAFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	3
TrqOvlSta_LKAState_State_M_enum	3
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	33.0999985
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0
k_APAIncludeHaptic_Cnt_lgc	1
k_APAMaxHwTrqTime_Sec_f32	0.925999999
k_APAMaxHwTrq_HwNm_f32	3.83999991
k_APAMaxVehSpd_Kph_f32	64.8000031
k_ESCMaxVehSpd_Kph_f32	180
k_HapticAmplitude_MtrNm_f32	0.469999999
k_HapticDuration_Sec_f32	0.375
k_HapticFreq_Hz_f32	37.0999985
k_HapticReacttime_Sec_f32	0.800000012
k_LKAMaxVehSpd_Kph_f32	95
k_LKAMinVehSpd_Kph_f32	87.5
k_MaxHapticReqTime_Sec_f32	0.88499999
k_SWARLimiter_HwDeg_f32	38.5
k_ShiftLevRevTime_Sec_f32	0.144999996
k_StandstillThresh_Kph_f32	1.36000001
k_StandstillTime_Sec_f32	0.136999995

Name	Input Value
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	3.54999995
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-541.609985
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	1081.23999
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	2.70000005
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	167.399994
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	152.699997
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.170000002
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	13.1000004
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✔
TrqOvlSta_ESCState_State_M_enum	0	0	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	34002	34002 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	1.75480008	1.75479996 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	3	3 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	4	4	✔

Name	Actual Value	Expected Value	Result
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	33.0999985	33.0999985 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	33.0999985	33.0999985 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.469999999	0.469999999 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	37.0999985	37.0999985 ± 0.0009765625	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔	
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔	

Test Step 2.153 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	4	
TrqOvlSta_ESCState_State_M_enum	1	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	57525.3203	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	57525.3203	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	57525.3203	
TrqOvlSta_HapticState_State_M_enum	1	
TrqOvlSta_Hapticdur_Cnt_M_u16	34984	
TrqOvlSta_Haptictime_Sec_M_f32	57525.3203	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	1.79999995	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.057	
TrqOvlSta_LKAFault_Cnt_M_lgc	1	
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	
TrqOvlSta_LKAPermFault_Cnt_M_u08	4	
TrqOvlSta_LKAState_State_M_enum	4	
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	34.2000008	
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	
k_APAIncludeHaptic_Cnt_lgc	0	
k_APAMaxHwTrqTime_Sec_f32	0.936999977	
k_APAMaxHwTrq_HwNm_f32	3.92000008	
k_APAMaxVehSpd_Kph_f32	66.5999985	
k_ESCMaxVehSpd_Kph_f32	100.5	
k_HapticAmplitude_MtrNm_f32	0.49000001	
k_HapticDuration_Sec_f32	0.389999986	
k_HapticFreq_Hz_f32	37.7999992	
k_HapticReacttime_Sec_f32	0.815999985	
k_LKAMaxVehSpd_Kph_f32	96.9000015	
k_LKAMinVehSpd_Kph_f32	89.25	
k_MaxHapticReqTime_Sec_f32	0.899999976	
k_SWARLimiter_HwDeg_f32	38.7999992	
k_ShiftLevRevTime_Sec_f32	0.149000004	
k_StandstillThresh_Kph_f32	1.39999998	
k_StandstillTime_Sec_f32	0.141000003	
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	3.4000001	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum	

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-501.709991
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	1086.18005
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	3
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	172.300003
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	157.600006
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.180000007
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	15
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✔
TrqOvlSta_ESCState_State_M_enum	0	0	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	57525.3203	57525.3203 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	1	1	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	34984	34984 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	57525.3203	57525.3203 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	1.79999995	1.79999995 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	4	4 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	4	4	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.180000007	0.180000007 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	1	1	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.180000007	0.180000007 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.49000001	0.49000001 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	37.7999992	37.7999992 ± 0.0009765625	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.154 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	0
TrqOvlSta_ESCState_State_M_enum	3
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	60530
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	60530
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	60530
TrqOvlSta_HapticState_State_M_enum	2
TrqOvlSta_Hapticdur_Cnt_M_u16	35966
TrqOvlSta_Haptictime_Sec_M_f32	60530
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	1.89999998
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0592
TrqOvlSta_LKAFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	0
TrqOvlSta_LKAState_State_M_enum	0
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	35.2999992
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0
k_APAIncludeHaptic_Cnt_lgc	1
k_APAMaxHwTrqTime_Sec_f32	0.948000014
k_APAMaxHwTrq_HwNm_f32	4
k_APAMaxVehSpd_Kph_f32	68.4000015
k_ESCMaxVehSpd_Kph_f32	110.199997
k_HapticAmplitude_MtrNm_f32	0.50999999
k_HapticDuration_Sec_f32	0.405000001
k_HapticFreq_Hz_f32	38.5
k_HapticReacttime_Sec_f32	0.832000017
k_LKAMaxVehSpd_Kph_f32	98.8000031
k_LKAMinVehSpd_Kph_f32	91
k_MaxHapticReqTime_Sec_f32	0.915000021
k_SWARLimiter_HwDeg_f32	0
k_ShiftLevRevTime_Sec_f32	0.152999997
k_StandstillThresh_Kph_f32	1.44000006
k_StandstillTime_Sec_f32	0.144999996
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	3.54999995
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-461.809998
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	1091.12
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	3.29999995
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	177.199997
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	162.5
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.189999998
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	16.8999996
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	2	2	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	35966	35966 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	1.89999998	1.89999998 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	0	0 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	4	4	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	35.2999992	35.2999992 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	2	2	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	35.2999992	35.2999992 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.50999999	0.50999999 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	38.5	38.5 ± 0.0009765625	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.155 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	1
TrqOvlSta_ESCState_State_M_enum	4

Name	Input Value
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	63535
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	63535
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	63535
TrqOvlSta_HapticState_State_M_enum	0
TrqOvlSta_Hapticdur_Cnt_M_u16	36948
TrqOvlSta_Haptictime_Sec_M_f32	63535
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	2
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0614
TrqOvlSta_LKAFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_u08	1
TrqOvlSta_LKAState_State_M_enum	1
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	36.4000015
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
k_APAIncludeHaptic_Cnt_lgc	0
k_APAMaxHwTrqTime_Sec_f32	0.958999991
k_APAMaxHwTrq_HwNm_f32	4.07999992
k_APAMaxVehSpd_Kph_f32	70.1999969
k_ESCMaxVehSpd_Kph_f32	115.599998
k_HapticAmplitude_MtrNm_f32	0.529999971
k_HapticDuration_Sec_f32	0.419999987
k_HapticFreq_Hz_f32	39.2000008
k_HapticReacttime_Sec_f32	0.84799999
k_LKAMaxVehSpd_Kph_f32	100.699997
k_LKAMinVehSpd_Kph_f32	92.75
k_MaxHapticReqTime_Sec_f32	0.930000007
k_SWARLimiter_HwDeg_f32	60
k_ShiftLevRevTime_Sec_f32	0.157000005
k_StandstillThresh_Kph_f32	1.48000002
k_StandstillTime_Sec_f32	0.149000004
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	3.54999995
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-421.910004
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	1096.06006
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1

Name	Input Value
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	3.5999999
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	0.5
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	167.399994
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.100000001
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	18.7999992
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	3	3	✓
TrqOvlSta_ESCState_State_M_enum	4	4	✓
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✓
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	63535	63535 ± 1	✓
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	63535	63535 ± 1	✓
TrqOvlSta_HapticState_State_M_enum	0	0	✓
TrqOvlSta_Hapticdur_Cnt_M_u16	36948	36948 ± 1	✓
TrqOvlSta_Haptictime_Sec_M_f32	63535	63535 ± 1	✓
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	2.0982399	2.0982399 ± 0.000009	✓
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✓
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✓
TrqOvlSta_LKAPermFault_Cnt_M_u08	1	1 ± 1	✓
TrqOvlSta_LKAState_State_M_enum	3	3	✓
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.100000001	0.100000001 ± 0.0009765625	✓
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✓
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✓
tgt_TrqOvlSta_Per1_APAState_State_enum.value	3	3	✓
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✓
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✓
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	3	3	✓
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✓
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.100000001	0.100000001 ± 0.0009765625	✓
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.529999971	0.529999971 ± 0.0009765625	✓
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✓
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	39.2000008	39.2000008 ± 0.0009765625	✓

Test Step Call Trace					✓
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached		1	✓
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection		1	✓
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached		1	✓

Test Step 2.156 (Repeat Count = 1)	✓
Name	**Input Value**
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	2
TrqOvlSta_ESCState_State_M_enum	0
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	66540.6328
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	66540.6328
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	66540.6328
TrqOvlSta_HapticState_State_M_enum	1
TrqOvlSta_Hapticdur_Cnt_M_u16	37930
TrqOvlSta_Haptictime_Sec_M_f32	66540.6328
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	2.0999999
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0636000037
TrqOvlSta_LKAFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	2
TrqOvlSta_LKAState_State_M_enum	2
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	37.5
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0
k_APAIncludeHaptic_Cnt_lgc	1

Name	Input Value
k_APAMaxHwTrqTime_Sec_f32	0.970000029
k_APAMaxHwTrq_HwNm_f32	4.15999985
k_APAMaxVehSpd_Kph_f32	72
k_ESCMaxVehSpd_Kph_f32	121
k_HapticAmplitude_MtrNm_f32	0.550000012
k_HapticDuration_Sec_f32	0.435000002
k_HapticFreq_Hz_f32	39.9000015
k_HapticReacttime_Sec_f32	0.864000022
k_LKAMaxVehSpd_Kph_f32	102.599998
k_LKAMinVehSpd_Kph_f32	94.5
k_MaxHapticReqTime_Sec_f32	0.944999993
k_SWARLimiter_HwDeg_f32	30.2999992
k_ShiftLevRevTime_Sec_f32	0.160999998
k_StandstillThresh_Kph_f32	1.51999998
k_StandstillTime_Sec_f32	0.152999997
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	4.1500001
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-382.01001
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	1101
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	3.9000001
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	187
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	172.300003
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.109999999
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	20.7000008

Name	Input Value		
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0		

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	1	1	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	37930	37930 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	2.0999999	2.0999999 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	2 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	4	4	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	37.5	37.5 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	1	1	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	37.5	37.5 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.550000012	0.550000012 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	39.9000015	39.9000015 ± 0.0009765625	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached		1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection		1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached		1	✔

Test Step 2.157 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	2	
TrqOvlSta_ESCState_State_M_enum	1	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	18460.6309	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	18460.6309	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	18460.6309	
TrqOvlSta_HapticState_State_M_enum	2	
TrqOvlSta_Hapticdur_Cnt_M_u16	38912	
TrqOvlSta_Haptictime_Sec_M_f32	18460.6309	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	2.20000005	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0658000037	
TrqOvlSta_LKAFault_Cnt_M_lgc	1	
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	
TrqOvlSta_LKAPermFault_Cnt_M_u08	3	
TrqOvlSta_LKAState_State_M_enum	3	
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0	
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	
k_APAIncludeHaptic_Cnt_lgc	0	
k_APAMaxHwTrqTime_Sec_f32	0.981000006	
k_APAMaxHwTrq_HwNm_f32	4.23999977	
k_APAMaxVehSpd_Kph_f32	193.800003	
k_ESCMaxVehSpd_Kph_f32	126.400002	
k_HapticAmplitude_MtrNm_f32	0.569999993	
k_HapticDuration_Sec_f32	0.449999988	
k_HapticFreq_Hz_f32	40.5999985	
k_HapticReacttime_Sec_f32	0.879999995	
k_LKAMaxVehSpd_Kph_f32	104.5	
k_LKAMinVehSpd_Kph_f32	96.25	
k_MaxHapticReqTime_Sec_f32	0.959999979	
k_SWARLimiter_HwDeg_f32	45.5999985	
k_ShiftLevRevTime_Sec_f32	0.165000007	
k_StandstillThresh_Kph_f32	1.55999994	
k_StandstillTime_Sec_f32	0.157000005	

Name	Input Value
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	4.30000019
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-461.809998
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	1105.93994
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	4.19999981
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	191.899994
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	177.199997
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.119999997
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	22.6000004
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	2	2	✔
TrqOvlSta_ESCState_State_M_enum	3	3	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	18460.6309	18460.6309 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	2	2	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	38912	38912 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	2.20000005	2.20000005 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	3	3 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	3	3	✔

Name	Actual Value	Expected Value	Result
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0	0 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	2	2	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	2	2	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0	0 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.569999993	0.569999993 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	40.5999985	40.5999985 ± 0.0009765625	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.158 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	2
TrqOvlSta_ESCState_State_M_enum	2
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	21465
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	21465
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	21465
TrqOvlSta_HapticState_State_M_enum	0
TrqOvlSta_Hapticdur_Cnt_M_u16	39894
TrqOvlSta_Haptictime_Sec_M_f32	21465
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	2.29999995
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0680000037
TrqOvlSta_LKAFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	4
TrqOvlSta_LKAState_State_M_enum	4
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	90
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0
k_APAIncludeHaptic_Cnt_lgc	1
k_APAMaxHwTrqTime_Sec_f32	0.150000006
k_APAMaxHwTrq_HwNm_f32	4.32000017
k_APAMaxVehSpd_Kph_f32	197.600006
k_ESCMaxVehSpd_Kph_f32	131.800003
k_HapticAmplitude_MtrNm_f32	0.589999974
k_HapticDuration_Sec_f32	0.465000004
k_HapticFreq_Hz_f32	41.2999992
k_HapticReacttime_Sec_f32	0.896000028
k_LKAMaxVehSpd_Kph_f32	106.400002
k_LKAMinVehSpd_Kph_f32	98
k_MaxHapticReqTime_Sec_f32	0.975000024
k_SWARLimiter_HwDeg_f32	50.0999985
k_ShiftLevRevTime_Sec_f32	0.169
k_StandstillThresh_Kph_f32	1.67999995
k_StandstillTime_Sec_f32	0.169
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	4.44999981
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-421.910004
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	1110.88
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	4.5
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	196.800003
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	182.100006
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.129999995
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	24.5
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	39894	39894 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	2.44959998	2.44959998 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	4	4 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	4	4	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	90	90 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	90	90 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.589999974	0.589999974 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	41.2999992	41.2999992 ± 0.0009765625	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.159 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	2
TrqOvlSta_ESCState_State_M_enum	3
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	24470
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	24470
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	24470
TrqOvlSta_HapticState_State_M_enum	1
TrqOvlSta_Hapticdur_Cnt_M_u16	40876
TrqOvlSta_Haptictime_Sec_M_f32	24470
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	2.4000001
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0702000037
TrqOvlSta_LKAFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_u08	0
TrqOvlSta_LKAState_State_M_enum	0
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	50.5
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
k_APAIncludeHaptic_Cnt_lgc	0
k_APAMaxHwTrqTime_Sec_f32	0.159999996
k_APAMaxHwTrq_HwNm_f32	4.4000001
k_APAMaxVehSpd_Kph_f32	207.399994
k_ESCMaxVehSpd_Kph_f32	137.199997
k_HapticAmplitude_MtrNm_f32	0.610000014
k_HapticDuration_Sec_f32	0.479999989
k_HapticFreq_Hz_f32	42
k_HapticReacttime_Sec_f32	0.912
k_LKAMaxVehSpd_Kph_f32	108.300003
k_LKAMinVehSpd_Kph_f32	99.75
k_MaxHapticReqTime_Sec_f32	0.109999999
k_SWARLimiter_HwDeg_f32	54.5999985
k_ShiftLevRevTime_Sec_f32	0.172999993
k_StandstillThresh_Kph_f32	1.72000003
k_StandstillTime_Sec_f32	0.172999993
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	4.5999999
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-382.01001
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	1115.81995
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	4.80000019
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	201.699997
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	187
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.140000001
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-30.5
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	2	2	✔
TrqOvlSta_ESCState_State_M_enum	3	3	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	24470	24470 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	1	1	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	40876	40876 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	2.4000001	2.4000001 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	0	0 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	3	3	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	50.5	50.5 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	2	2	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	1	1	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	50.5	50.5 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.610000014	0.610000014 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	42	42 ± 0.0009765625	✔

Test Step Call Trace   ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.160 (Repeat Count = 1)   ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	1
TrqOvlSta_ESCState_State_M_enum	4

Name	Input Value
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	27475.5293
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	27475.5293
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	27475.5293
TrqOvlSta_HapticState_State_M_enum	2
TrqOvlSta_Hapticdur_Cnt_M_u16	41858
TrqOvlSta_Haptictime_Sec_M_f32	27475.5293
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	2.5
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0328000002
TrqOvlSta_LKAFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	1
TrqOvlSta_LKAState_State_M_enum	1
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	36.9000015
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0
k_APAIncludeHaptic_Cnt_lgc	1
k_APAMaxHwTrqTime_Sec_f32	0.170000002
k_APAMaxHwTrq_HwNm_f32	4.48000002
k_APAMaxVehSpd_Kph_f32	79.1999969
k_ESCMaxVehSpd_Kph_f32	142.600006
k_HapticAmplitude_MtrNm_f32	0.629999995
k_HapticDuration_Sec_f32	0.495000005
k_HapticFreq_Hz_f32	42.7000008
k_HapticReacttime_Sec_f32	0.927999973
k_LKAMaxVehSpd_Kph_f32	110.199997
k_LKAMinVehSpd_Kph_f32	101.5
k_MaxHapticReqTime_Sec_f32	0.119999997
k_SWARLimiter_HwDeg_f32	59.0999985
k_ShiftLevRevTime_Sec_f32	0.177000001
k_StandstillThresh_Kph_f32	1.75999999
k_StandstillTime_Sec_f32	0.177000001
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-8.80000019
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-501.709991
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	1086.18005
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0

Name	Input Value
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	5.0999999
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	206.600006
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	191.899994
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.150000006
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-28.8999996
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	2	2	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	41858	41858 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	2.5	2.5 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	1	1 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	4	4	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	36.9000015	36.9000015 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	2	2	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	36.9000015	36.9000015 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.629999995	0.629999995 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	42.7000008	42.7000008 ± 0.0009765625	✔

Test Step Call Trace   ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.161 (Repeat Count = 1)   ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	2
TrqOvlSta_ESCState_State_M_enum	0
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	30480
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	30480
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	30480
TrqOvlSta_HapticState_State_M_enum	0
TrqOvlSta_Hapticdur_Cnt_M_u16	42840
TrqOvlSta_Haptictime_Sec_M_f32	30480
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	2.5999999
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0350000001
TrqOvlSta_LKAFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_u08	2
TrqOvlSta_LKAState_State_M_enum	2
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	41.2000008
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
k_APAIncludeHaptic_Cnt_lgc	0

Name	Input Value
k_APAMaxHwTrqTime_Sec_f32	0.180000007
k_APAMaxHwTrq_HwNm_f32	4.55999994
k_APAMaxVehSpd_Kph_f32	81
k_ESCMaxVehSpd_Kph_f32	148
k_HapticAmplitude_MtrNm_f32	0.649999976
k_HapticDuration_Sec_f32	0.50999999
k_HapticFreq_Hz_f32	43.4000015
k_HapticReacttime_Sec_f32	0.944000006
k_LKAMaxVehSpd_Kph_f32	112.099998
k_LKAMinVehSpd_Kph_f32	103.25
k_MaxHapticReqTime_Sec_f32	0.129999995
k_SWARLimiter_HwDeg_f32	10
k_ShiftLevRevTime_Sec_f32	0.180999994
k_StandstillThresh_Kph_f32	1.88
k_StandstillTime_Sec_f32	0.188999996
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	8.80000019
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-461.809998
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	1091.12
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	5.4000001
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	211.5
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	196.800003
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.159999996
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-27.2999992

Name	Input Value
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	3	3	✔
TrqOvlSta_ESCState_State_M_enum	3	3	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	30480	30480 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	42840	42840 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	30480	30480 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	2.69799995	2.69799995 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	2 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	3	3	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.159999996	0.159999996 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.159999996	0.159999996 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.649999976	0.649999976 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	43.4000015	43.4000015 ± 0.0009765625	✔

Test Step Call Trace   ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.162 (Repeat Count = 1)   ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	3
TrqOvlSta_ESCState_State_M_enum	1
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	33485
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	33485
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	33485
TrqOvlSta_HapticState_State_M_enum	1
TrqOvlSta_Hapticdur_Cnt_M_u16	43822
TrqOvlSta_Haptictime_Sec_M_f32	33485
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	2.70000005
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0372000001
TrqOvlSta_LKAFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	3
TrqOvlSta_LKAState_State_M_enum	3
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	58.7000008
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0
k_APAIncludeHaptic_Cnt_lgc	1
k_APAMaxHwTrqTime_Sec_f32	0.189999998
k_APAMaxHwTrq_HwNm_f32	4.63999987
k_APAMaxVehSpd_Kph_f32	82.8000031
k_ESCMaxVehSpd_Kph_f32	153.399994
k_HapticAmplitude_MtrNm_f32	0.670000017
k_HapticDuration_Sec_f32	0.524999976
k_HapticFreq_Hz_f32	44.0999985
k_HapticReacttime_Sec_f32	0.959999979
k_LKAMaxVehSpd_Kph_f32	114
k_LKAMinVehSpd_Kph_f32	105
k_MaxHapticReqTime_Sec_f32	0.140000001
k_SWARLimiter_HwDeg_f32	20
k_ShiftLevRevTime_Sec_f32	0.185000002
k_StandstillThresh_Kph_f32	1.91999996
k_StandstillTime_Sec_f32	0.193000004

Name	Input Value
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	0
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-385.420013
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	365.579987
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	5.69999981
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	216.399994
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	201.699997
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.170000002
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-25.7000008
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	1	1	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	43822	43822 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	2.70000005	2.70000005 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	3	3 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	4	4	✔

TEST DETAILS REPORT

TrqOvlSta_Per1

2015-02-04, 12:57:03+0530

Name	Actual Value	Expected Value	Result
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	58.7000008	58.7000008 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	1	1	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	58.7000008	58.7000008 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.670000017	0.670000017 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	44.0999985	44.0999985 ± 0.0009765625	✔

Test Step Call Trace   ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.163 (Repeat Count = 1)   ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	4
TrqOvlSta_ESCState_State_M_enum	2
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	36490.3516
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	36490.3516
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	36490.3516
TrqOvlSta_HapticState_State_M_enum	2
TrqOvlSta_Hapticdur_Cnt_M_u16	44804
TrqOvlSta_Haptictime_Sec_M_f32	36490.3516
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	2.79999995
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0614
TrqOvlSta_LKAFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_u08	4
TrqOvlSta_LKAState_State_M_enum	4
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	63.4000015
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
k_APAIncludeHaptic_Cnt_lgc	0
k_APAMaxHwTrqTime_Sec_f32	0.200000003
k_APAMaxHwTrq_HwNm_f32	4.71999979
k_APAMaxVehSpd_Kph_f32	84.5999985
k_ESCMaxVehSpd_Kph_f32	158.800003
k_HapticAmplitude_MtrNm_f32	0.689999998
k_HapticDuration_Sec_f32	0.540000021
k_HapticFreq_Hz_f32	44.7999992
k_HapticReacttime_Sec_f32	0.976000011
k_LKAMaxVehSpd_Kph_f32	115.900002
k_LKAMinVehSpd_Kph_f32	106.75
k_MaxHapticReqTime_Sec_f32	0.150000006
k_SWARLimiter_HwDeg_f32	30
k_ShiftLevRevTime_Sec_f32	0.188999996
k_StandstillThresh_Kph_f32	1.96000004
k_StandstillTime_Sec_f32	0.196999997
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	5.19999981
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-384.519989
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	366.700012
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	6
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	221.300003
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	206.600006
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.180000007
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-24.1000004
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✓
TrqOvlSta_ESCState_State_M_enum	3	3	✓
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✓
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	36490.3516	36490.3516 ± 1	✓
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✓
TrqOvlSta_HapticState_State_M_enum	2	2	✓
TrqOvlSta_Hapticdur_Cnt_M_u16	44804	44804 ± 1	✓
TrqOvlSta_Haptictime_Sec_M_f32	36490.3516	36490.3516 ± 1	✓
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	2.79999995	2.79999995 ± 0.000009	✓
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✓
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✓
TrqOvlSta_LKAPermFault_Cnt_M_u08	4	4 ± 1	✓
TrqOvlSta_LKAState_State_M_enum	4	4	✓
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.180000007	0.180000007 ± 0.0009765625	✓
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✓
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✓
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✓
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✓
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	2	2	✓
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	✓
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✓
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.180000007	0.180000007 ± 0.0009765625	✓
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.689999998	0.689999998 ± 0.0009765625	✓
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✓
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	44.7999992	44.7999992 ± 0.0009765625	✓

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.164 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	0
TrqOvlSta_ESCState_State_M_enum	3
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	39495
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	39495
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	39495
TrqOvlSta_HapticState_State_M_enum	0
TrqOvlSta_Hapticdur_Cnt_M_u16	45786
TrqOvlSta_Haptictime_Sec_M_f32	39495
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	2.9000001
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0636000037
TrqOvlSta_LKAFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	0
TrqOvlSta_LKAState_State_M_enum	0
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	87.5999985
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0
k_APAIncludeHaptic_Cnt_lgc	1
k_APAMaxHwTrqTime_Sec_f32	0.209999993
k_APAMaxHwTrq_HwNm_f32	4.80000019
k_APAMaxVehSpd_Kph_f32	86.4000015
k_ESCMaxVehSpd_Kph_f32	164.199997
k_HapticAmplitude_MtrNm_f32	0.709999979
k_HapticDuration_Sec_f32	0.555000007
k_HapticFreq_Hz_f32	45.5
k_HapticReacttime_Sec_f32	0.991999984
k_LKAMaxVehSpd_Kph_f32	117.800003
k_LKAMinVehSpd_Kph_f32	108.5
k_MaxHapticReqTime_Sec_f32	0.159999996
k_SWARLimiter_HwDeg_f32	40
k_ShiftLevRevTime_Sec_f32	0.193000004
k_StandstillThresh_Kph_f32	2
k_StandstillTime_Sec_f32	0.201000005
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-5.5
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-383.619995
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	367.820007
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	6.30000019
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	226.199997
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	211.5
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.189999998
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-22.5
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	45786	45786 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	3.11624002	3.11624002 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	0	0 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	4	4	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	87.5999985	87.5999985 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	87.5999985	87.5999985 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.709999979	0.709999979 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	45.5	45.5 ± 0.0009765625	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.165 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	0
TrqOvlSta_ESCState_State_M_enum	0

Name	Input Value
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0
TrqOvlSta_HapticState_State_M_enum	0
TrqOvlSta_Hapticdur_Cnt_M_u16	0
TrqOvlSta_Haptictime_Sec_M_f32	0
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-10
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.00125584798
TrqOvlSta_LKAFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	0
TrqOvlSta_LKAState_State_M_enum	0
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0
k_APAIncludeHaptic_Cnt_lgc	0
k_APAMaxHwTrqTime_Sec_f32	0
k_APAMaxHwTrq_HwNm_f32	0
k_APAMaxVehSpd_Kph_f32	0
k_ESCMaxVehSpd_Kph_f32	0
k_HapticAmplitude_MtrNm_f32	0
k_HapticDuration_Sec_f32	0
k_HapticFreq_Hz_f32	3
k_HapticReacttime_Sec_f32	0
k_LKAMaxVehSpd_Kph_f32	0
k_LKAMinVehSpd_Kph_f32	0
k_MaxHapticReqTime_Sec_f32	0
k_SWARLimiter_HwDeg_f32	0
k_ShiftLevRevTime_Sec_f32	0
k_StandstillThresh_Kph_f32	0
k_StandstillTime_Sec_f32	0
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-8.80000019
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-1440.10999
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	360
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0

Name	Input Value
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	-10
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	0
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	0
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-34.5
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	0	0 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-10	-10 ± 0.00009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	0	0 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	4	4	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0	0 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0	0 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0	0 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	3	3 ± 0.0009765625	✔

Test Step Call Trace			✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 2.166 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	4	
TrqOvlSta_ESCState_State_M_enum	4	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	4.2949673e+009	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	4.2949673e+009	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	4.2949673e+009	
TrqOvlSta_HapticState_State_M_enum	2	
TrqOvlSta_Hapticdur_Cnt_M_u16	65535	
TrqOvlSta_Haptictime_Sec_M_f32	4.2949673e+009	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	10	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.715390444	
TrqOvlSta_LKAFault_Cnt_M_lgc	1	
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	
TrqOvlSta_LKAPermFault_Cnt_M_u08	4	
TrqOvlSta_LKAState_State_M_enum	4	
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	90	
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	
k_APAIncludeHaptic_Cnt_lgc	1	

Name	Input Value
k_APAMaxHwTrqTime_Sec_f32	1
k_APAMaxHwTrq_HwNm_f32	10
k_APAMaxVehSpd_Kph_f32	220
k_ESCMaxVehSpd_Kph_f32	180
k_HapticAmplitude_MtrNm_f32	0.75
k_HapticDuration_Sec_f32	2
k_HapticFreq_Hz_f32	100
k_HapticReacttime_Sec_f32	2
k_LKAMaxVehSpd_Kph_f32	220
k_LKAMinVehSpd_Kph_f32	220
k_MaxHapticReqTime_Sec_f32	1
k_SWARLimiter_HwDeg_f32	60
k_ShiftLevRevTime_Sec_f32	0.5
k_StandstillThresh_Kph_f32	5
k_StandstillTime_Sec_f32	0.5
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	8.80000019
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-360
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	1440.10999
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	10
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	514.799988
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	511
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.200000003
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	34.5

Name	Input Value		
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1		

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	4.2949673e+009	4.2949673e+009 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	2	2	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	65535	65535 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	4.2949673e+009	4.2949673e+009 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	10	10 ± 0.00009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	4	4 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	4	4	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.200000003	0.200000003 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	2	2	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.200000003	0.200000003 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.75	0.75 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	100	100 ± 0.0009765625	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached		1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection		1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached		1	✔

Test Case 3: Path Test ✔

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

CPU Cycles:

TS3.1 1103 Cycles
TS3.2 1270 Cycles
TS3.3 1136 Cycles
TS3.4 1121 Cycles
TS3.5 1130 Cycles
TS3.6 1134 Cycles
TS3.7 1179 Cycles
TS3.8 1162 Cycles
TS3.9 1143 Cycles
TS3.10 1130 Cycles
TS3.11 1128 Cycles
TS3.12 1127 Cycles
TS3.13 1109 Cycles
TS3.14 1121 Cycles
TS3.15 1140 Cycles
TS3.16 1148 Cycles
TS3.17 1165 Cycles
TS3.18 1142 Cycles
TS3.19 1184 Cycles
TS3.20 1154 Cycles
TS3.21 1145 Cycles
TS3.22 1129 Cycles
TS3.23 1105 Cycles
TS3.24 1169 Cycles
TS3.25 1167 Cycles
TS3.26 1161 Cycles
TS3.27 1166 Cycles
TS3.28 1164 Cycles
TS3.29 1140 Cycles
TS3.30 1155 Cycles
TS3.31 1139 Cycles
TS3.32 1157 Cycles
TS3.33 1237 Cycles
TS3.34 1251 Cycles
TS3.35 1262 Cycles
TS3.36 1259 Cycles
TS3.37 1251 Cycles
TS3.38 1250 Cycles
TS3.39 1248 Cycles
TS3.40 1246 Cycles
TS3.41 1243 Cycles
TS3.42 1148 Cycles
TS3.43 1254 Cycles
TS3.44 1236 Cycles
TS3.45 1270 Cycles
TS3.46 1249 Cycles
TS3.47 1194 Cycles
TS3.48 1200 Cycles
TS3.49 1197 Cycles
TS3.50 1200 Cycles
TS3.51 1161 Cycles
TS3.52 1167 Cycles
TS3.53 1166 Cycles
TS3.54 1156 Cycles
TS3.55 1153 Cycles
TS3.56 1160 Cycles
TS3.57 1167 Cycles
TS3.58 1161 Cycles
TS3.59 1171 Cycles
TS3.60 1168 Cycles
TS3.61 1168 Cycles
TS3.62 1154 Cycles
TS3.63 1171 Cycles
TS3.64 1182 Cycles
TS3.65 1171 Cycles
TS3.66 1173 Cycles
TS3.67 1139 Cycles
TS3.68 1135 Cycles
TS3.69 1269 Cycles
TS3.70 1171 Cycles
TS3.71 1176 Cycles
TS3.72 1179 Cycles
TS3.73 1134 Cycles
TS3.74 1172 Cycles
TS3.75 1172 Cycles
TS3.76 1219 Cycles
TS3.77 1099 Cycles
TS3.78 1137 Cycles
TS3.79 1008 Cycles
TS3.80 1022 Cycles
TS3.81 1030 Cycles
TS3.82 1027 Cycles
TS3.83 1019 Cycles
TS3.84 1018 Cycles

Description   Vector Description:

TS3.1"(LKARequest_Cnt_T_f32 > D_ZERO_ULS_F32)=False
(HapticRequest_Cnt_T_lgc == TRUE)=False
(ShiftLeverIsInReverse_Cnt_T_lgc == TRUE)=False
(MaxSecureVehicleSpeed_Kph_T_f32 >= k_StandstillThresh_Kph_f32)=Flase
(TrqOvlSta_HapticState_State_M_enum != Haptic_Inactive)=True
(Abs_f32_m(HwTrqFilt_HwNm_T_f32) >= k_APAMaxHwTrq_HwNm_f32)=False
((LKAFault_Cnt_T_lgc == TRUE) && (TrqOvlSta_LKAPermFault_Cnt_M_lgc == FALSE) && (TrqOvlSta_LKAFault_Cnt_M_lgc == FALSE))=False
(GMOSH_APAMfgEnable_Cnt_T_lgc == FALSE)=False"
TS3.2"(LKARequest_Cnt_T_f32 > D_ZERO_ULS_F32)=True
(HapticRequest_Cnt_T_lgc == TRUE)=True
(TrqOvlSta_Haptictime_Sec_M_f32 >= (k_MaxHapticReqTime_Sec_f32))=False
(ShiftLeverIsInReverse_Cnt_T_lgc == TRUE)=True
(TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32 > (k_ShiftLevRevTime_Sec_f32)) =False
(MaxSecureVehicleSpeed_Kph_T_f32 >= k_StandstillThresh_Kph_f32)=True
(TrqOvlSta_ElapsedStandstillTime_Sec_M_f32 >= k_StandstillTime_Sec_f32)=False
(TrqOvlSta_HapticState_State_M_enum != Haptic_Inactive)=False
(Abs_f32_m(HwTrqFilt_HwNm_T_f32) >= k_APAMaxHwTrq_HwNm_f32)=True
(TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 >= ((k_APAMaxHwTrqTime_Sec_f32)))=False
((LKAFault_Cnt_T_lgc == TRUE) && (TrqOvlSta_LKAPermFault_Cnt_M_lgc == FALSE) && (TrqOvlSta_LKAFault_Cnt_M_lgc == FALSE))=True"
TS3.3"(HapticRequest_Cnt_T_lgc == TRUE)=True
(TrqOvlSta_Haptictime_Sec_M_f32 >= (k_MaxHapticReqTime_Sec_f32))=True
(ShiftLeverIsInReverse_Cnt_T_lgc == TRUE)=True
(TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32 > (k_ShiftLevRevTime_Sec_f32)) =True
(MaxSecureVehicleSpeed_Kph_T_f32 >= k_StandstillThresh_Kph_f32)=True
(TrqOvlSta_ElapsedStandstillTime_Sec_M_f32 >= k_StandstillTime_Sec_f32)=True
(Abs_f32_m(HwTrqFilt_HwNm_T_f32) >= k_APAMaxHwTrq_HwNm_f32)=True
(TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 >= ((k_APAMaxHwTrqTime_Sec_f32)))==True
((CWFound_Cnt_T_lgc == TRUE) && (CCWFound_Cnt_T_lgc == TRUE))=False
(GMOSH_APAMfgEnable_Cnt_T_lgc == FALSE)=True"
TS3.4((LKAFault_Cnt_T_lgc == TRUE)=True && (TrqOvlSta_LKAPermFault_Cnt_M_lgc == FALSE)=False && (TrqOvlSta_LKAFault_Cnt_M_lgc == FALSE))
TS3.5((MaxSecureVehicleSpeed_Kph_T_f32 > k_APAMaxVehSpd_Kph_f32) ||(APARecoverableFaults_Cnt_T_lgc==TRUE)||
((HapticRequest_Cnt_T_lgc==TRUE)&&(HapticReqDurExceeded_Cnt_T_lgc==TRUE)) ||(LrnEOTFound_Cnt_T_lgc == FALSE))=True
TS3.6(TrqOvlSta_LKAPermFault_Cnt_M_u08 >= 3U)=True
TS3.7(APANonRecoverableFaults_Cnt_T_lgc ==TRUE)=False
TS3.8"((LKAFault_Cnt_T_lgc == TRUE)=True && (TrqOvlSta_LKAPermFault_Cnt_M_lgc == FALSE)=True&& (TrqOvlSta_LKAFault_Cnt_M_lgc == FALSE)=False)
case(APA_TempInhibit):True
(APANonRecoverableFaults_Cnt_T_lgc ==TRUE)=False"
TS3.9((MinSecureVehicleSpeed_Kph_T_f32 < k_LKAMinVehSpd_Kph_f32)=False || (MaxSecureVehicleSpeed_Kph_T_f32 >
k_LKAMaxVehSpd_Kph_f32)=True)
TS3.10"case(APA_AvailCntrl):True
  if(APANonRecoverableFaults_Cnt_T_lgc ==TRUE)=True"
TS3.11"(TrqOvlSta_LKAPermFault_Cnt_M_lgc == TRUE)=False
(LKARequest_Cnt_T_lgc == FALSE)=True"
TS3.12"case(APA_TempInhibit):True
(APANonRecoverableFaults_Cnt_T_lgc ==TRUE)=True"
TS3.13(TrqOvlSta_LKAPermFault_Cnt_M_lgc == TRUE)=True
TS3.14(APARequest_Cnt_T_lgc ==FALSE)=True
TS3.15"((MaxSecureVehicleSpeed_Kph_T_f32 > k_APAMaxVehSpd_Kph_f32) ||(APARecoverableFaults_Cnt_T_lgc==TRUE)||
((HapticRequest_Cnt_T_lgc==TRUE)&&(HapticReqDurExceeded_Cnt_T_lgc==TRUE)) ||(LrnEOTFound_Cnt_T_lgc == FALSE))=False
(LKARequest_Cnt_T_lgc == FALSE)=False"
TS3.16"((MaxSecureVehicleSpeed_Kph_T_f32 > k_APAMaxVehSpd_Kph_f32) ||(APARecoverableFaults_Cnt_T_lgc==TRUE)||
(HapticRequest_Cnt_T_lgc==TRUE)||(APAIntervention_Cnt_T_lgc==TRUE) || (LrnEOTFound_Cnt_T_lgc == FALSE))=False
((TrqOvlSta_APAState_State_M_enum == APA_Active) && (PosTrajEnable_Cnt_T_lgc == TRUE))=True"
TS3.17((MaxSecureVehicleSpeed_Kph_T_f32 > k_APAMaxVehSpd_Kph_f32) =False||(APARecoverableFaults_Cnt_T_lgc==TRUE)=false||
((HapticRequest_Cnt_T_lgc==TRUE)=true&&(HapticReqDurExceeded_Cnt_T_lgc==TRUE)) =True||(LrnEOTFound_Cnt_T_lgc == FALSE))
TS3.18"(k_APAIncludeHaptic_Cnt_lgc == FALSE)=True
((StandstillTime_Cnt_T_lgc==TRUE)=False && (APARequest_Cnt_T_lgc ==TRUE)=True&&(ShiftLevRevTime_Cnt_T_lgc==TRUE))"
TS3.19((StandstillTime_Cnt_T_lgc==FALSE) =False|| (APARequest_Cnt_T_lgc ==FALSE)=True|| (ShiftLevRevTime_Cnt_T_lgc==FALSE))
TS3.20((MinSecureVehicleSpeed_Kph_T_f32 < k_LKAMinVehSpd_Kph_f32) || (MaxSecureVehicleSpeed_Kph_T_f32 >
k_LKAMaxVehSpd_Kph_f32))=False
TS3.21((ESCRequest_Cnt_T_lgc == FALSE)=Flase || (MinSecureVehicleSpeed_Kph_T_f32 > k_ESCMaxVehSpd_Kph_f32)=True)
TS3.22((ESCRequest_Cnt_T_lgc == FALSE) || (MinSecureVehicleSpeed_Kph_T_f32 > k_ESCMaxVehSpd_Kph_f32))=True
TS3.23((CWFound_Cnt_T_lgc == TRUE)=True && (CCWFound_Cnt_T_lgc == TRUE)=False)
TS3.24((MaxSecureVehicleSpeed_Kph_T_f32 <= k_APAMaxVehSpd_Kph_f32) && (APARequest_Cnt_T_lgc ==FALSE) &&
(HapticRequest_Cnt_T_lgc==FALSE) && (APARecoverableFaults_Cnt_T_lgc==FALSE) && (LrnEOTFound_Cnt_T_lgc == TRUE)=true
TS3.25((MaxSecureVehicleSpeed_Kph_T_f32 =True&& (APARequest_Cnt_T_lgc ==FALSE) =True &&
(HapticRequest_Cnt_T_lgc==FALSE) =True && (APARecoverableFaults_Cnt_T_lgc==FALSE) =True && (LrnEOTFound_Cnt_T_lgc ==
TRUE)=False)
TS3.26((MaxSecureVehicleSpeed_Kph_T_f32 <= k_APAMaxVehSpd_Kph_f32) =True&& (APARequest_Cnt_T_lgc ==FALSE) =True&&
(HapticRequest_Cnt_T_lgc==FALSE) =True && (APARecoverableFaults_Cnt_T_lgc==FALSE)=False && (LrnEOTFound_Cnt_T_lgc == TRUE))
TS3.27((MaxSecureVehicleSpeed_Kph_T_f32 <= k_APAMaxVehSpd_Kph_f32) =True&& (APARequest_Cnt_T_lgc ==FALSE) =True&&
(HapticRequest_Cnt_T_lgc==FALSE)=False && (APARecoverableFaults_Cnt_T_lgc==FALSE) && (LrnEOTFound_Cnt_T_lgc == TRUE))
TS3.28((MaxSecureVehicleSpeed_Kph_T_f32 <= k_APAMaxVehSpd_Kph_f32) =True&& (APARequest_Cnt_T_lgc ==FALSE) =False&&
(HapticRequest_Cnt_T_lgc==FALSE) && (APARecoverableFaults_Cnt_T_lgc==FALSE) && (LrnEOTFound_Cnt_T_lgc == TRUE))
TS3.29((MaxSecureVehicleSpeed_Kph_T_f32 > k_APAMaxVehSpd_Kph_f32)=False ||(APARecoverableFaults_Cnt_T_lgc==TRUE)=False||
((HapticRequest_Cnt_T_lgc==TRUE)=False&&(HapticReqDurExceeded_Cnt_T_lgc==TRUE)) ||(LrnEOTFound_Cnt_T_lgc == FALSE)=True)
TS3.30((MaxSecureVehicleSpeed_Kph_T_f32 > k_APAMaxVehSpd_Kph_f32)=False||(APARecoverableFaults_Cnt_T_lgc==TRUE)=True||
((HapticRequest_Cnt_T_lgc==TRUE)&&(HapticReqDurExceeded_Cnt_T_lgc==TRUE)) ||(LrnEOTFound_Cnt_T_lgc == FALSE))
TS3.31((StandstillTime_Cnt_T_lgc==TRUE) && (APARequest_Cnt_T_lgc ==TRUE)&&(ShiftLevRevTime_Cnt_T_lgc==TRUE))=True
TS3.32((StandstillTime_Cnt_T_lgc==TRUE)=True && (APARequest_Cnt_T_lgc ==TRUE)=True&&(ShiftLevRevTime_Cnt_T_lgc==TRUE)=False)
TS3.33((HapticRequest_Cnt_T_lgc==FALSE) && (TrqOvlSta_ReadytoPulse_Cnt_M_lgc==FALSE))=True
TS3.34((HapticRequest_Cnt_T_lgc==FALSE)=True && (TrqOvlSta_ReadytoPulse_Cnt_M_lgc==FALSE)=False)
TS3.35(TrqOvlSta_ReadytoPulse_Cnt_M_lgc== TRUE)=False
TS3.36((StandstillTime_Cnt_T_lgc==TRUE) && (APARequest_Cnt_T_lgc
==TRUE)&&(HapticRequest_Cnt_T_lgc==TRUE)&&(ShiftLevRevTime_Cnt_T_lgc==TRUE))=True
TS3.37"(HapticRequest_Cnt_T_lgc==TRUE)=False
((StandstillTime_Cnt_T_lgc==FALSE) || (APARequest_Cnt_T_lgc ==FALSE)|| (ShiftLevRevTime_Cnt_T_lgc==FALSE))=False
(TrqOvlSta_Hapticdur_Cnt_M_u16 > (uint16)(k_HapticDuration_Sec_f32/D_2MS_SEC_F32))=True"
TS3.38"((MaxSecureVehicleSpeed_Kph_T_f32 > k_APAMaxVehSpd_Kph_f32) ||(APARecoverableFaults_Cnt_T_lgc==TRUE)||
((HapticRequest_Cnt_T_lgc==TRUE)&&(HapticReqDurExceeded_Cnt_T_lgc==TRUE)) ||(LrnEOTFound_Cnt_T_lgc == FALSE))=False
(LKARequest_Cnt_T_lgc == FALSE)=False"
TS3.39((StandstillTime_Cnt_T_lgc==FALSE)=true || (APARequest_Cnt_T_lgc ==FALSE)|| (ShiftLevRevTime_Cnt_T_lgc==FALSE))

TS3.40((StandstillTime_Cnt_T_lgc==FALSE)=False || (APARequest_Cnt_T_lgc ==FALSE)=True|| (ShiftLevRevTime_Cnt_T_lgc==FALSE))
TS3.41((MinSecureVehicleSpeed_Kph_T_f32 < k_LKAMinVehSpd_Kph_f32) || (MinSecureVehicleSpeed_Kph_T_f32 > k_LKAMaxVehSpd_Kph_f32) ||(LKARequest_Cnt_T_lgc == FALSE))=True
TS3.42((StandstillTime_Cnt_T_lgc==TRUE) && (APARequest_Cnt_T_lgc ==TRUE)&&(ShiftLevRevTime_Cnt_T_lgc==TRUE))=False
TS3.43((StandstillTime_Cnt_T_lgc==TRUE)=True && (APARequest_Cnt_T_lgc ==TRUE)=False&&(HapticRequest_Cnt_T_lgc==TRUE)&&(ShiftLevRevTime_Cnt_T_lgc==TRUE))
TS3.44((StandstillTime_Cnt_T_lgc==TRUE)=True && (APARequest_Cnt_T_lgc ==TRUE)=True&&(HapticRequest_Cnt_T_lgc==TRUE)=False&&(ShiftLevRevTime_Cnt_T_lgc==TRUE))
TS3.45((StandstillTime_Cnt_T_lgc==TRUE)=True && (APARequest_Cnt_T_lgc ==TRUE)=True&&(HapticRequest_Cnt_T_lgc==TRUE)=True&&(ShiftLevRevTime_Cnt_T_lgc==TRUE)=False)
TS3.46((StandstillTime_Cnt_T_lgc==FALSE) =False|| (APARequest_Cnt_T_lgc ==FALSE)=False|| (ShiftLevRevTime_Cnt_T_lgc==FALSE)=True)
TS3.47((StandstillTime_Cnt_T_lgc==FALSE) || (APARequest_Cnt_T_lgc ==FALSE)|| (ShiftLevRevTime_Cnt_T_lgc==FALSE))=False
TS3.48(TrqOvlSta_Hapticdur_Cnt_M_u16 > (uint16)(k_HapticReacttime_Sec_f32/D_2MS_SEC_F32))=False
TS3.49((StandstillTime_Cnt_T_lgc==FALSE)=False || (APARequest_Cnt_T_lgc ==FALSE)=False|| (ShiftLevRevTime_Cnt_T_lgc==FALSE)=True)
TS3.50((StandstillTime_Cnt_T_lgc==FALSE) || (APARequest_Cnt_T_lgc ==FALSE)|| (ShiftLevRevTime_Cnt_T_lgc==FALSE))=True
TS3.51((MaxSecureVehicleSpeed_Kph_T_f32 > k_APAMaxVehSpd_Kph_f32)=False ||(APARecoverableFaults_Cnt_T_lgc==TRUE)=False|| (HapticRequest_Cnt_T_lgc==TRUE)=False||(APAIntervention_Cnt_T_lgc==TRUE) =False|| (LrnEOTFound_Cnt_T_lgc == FALSE)=True)
TS3.52((MaxSecureVehicleSpeed_Kph_T_f32 > k_APAMaxVehSpd_Kph_f32) =False||(APARecoverableFaults_Cnt_T_lgc==TRUE)=False|| (HapticRequest_Cnt_T_lgc==TRUE)=False||(APAIntervention_Cnt_T_lgc==TRUE)=True || (LrnEOTFound_Cnt_T_lgc == FALSE))
TS3.53((MaxSecureVehicleSpeed_Kph_T_f32 > k_APAMaxVehSpd_Kph_f32)=False ||(APARecoverableFaults_Cnt_T_lgc==TRUE)=False|| (HapticRequest_Cnt_T_lgc==TRUE)=true||(APAIntervention_Cnt_T_lgc==TRUE) || (LrnEOTFound_Cnt_T_lgc == FALSE))
TS3.54((MaxSecureVehicleSpeed_Kph_T_f32 > k_APAMaxVehSpd_Kph_f32)=False||(APARecoverableFaults_Cnt_T_lgc==True)|| (HapticRequest_Cnt_T_lgc==TRUE)||(APAIntervention_Cnt_T_lgc==TRUE) || (LrnEOTFound_Cnt_T_lgc == FALSE))
TS3.55((LKARequest_Cnt_T_lgc == TRUE)=True && ((LKAFault_Cnt_T_lgc == TRUE)=False || (LKAInhibit_Cnt_T_lgc == TRUE)=True || (TrqOvlSta_ESCState_State_M_enum == ESC_Active) || (TrqOvlSta_ESCState_State_M_enum == ESC_TemporarilyLimited)))
TS3.56((LKARequest_Cnt_T_lgc == TRUE) && ((LKAFault_Cnt_T_lgc == TRUE) || (LKAInhibit_Cnt_T_lgc == TRUE) || (TrqOvlSta_ESCState_State_M_enum == ESC_Active) || (TrqOvlSta_ESCState_State_M_enum == ESC_TemporarilyLimited)))=True
TS3.57((LKARequest_Cnt_T_lgc == TRUE) =True&& ((LKAFault_Cnt_T_lgc == TRUE)=False || (LKAInhibit_Cnt_T_lgc == TRUE)=False || (TrqOvlSta_ESCState_State_M_enum == ESC_Active) || (TrqOvlSta_ESCState_State_M_enum == ESC_TemporarilyLimited))=False)
TS3.58((LKARequest_Cnt_T_lgc == TRUE)=True && ((LKAFault_Cnt_T_lgc == TRUE)=False || (LKAInhibit_Cnt_T_lgc == TRUE)=False || (TrqOvlSta_ESCState_State_M_enum == ESC_Active)=True|| (TrqOvlSta_ESCState_State_M_enum == ESC_TemporarilyLimited)))
TS3.59((LKARequest_Cnt_T_lgc == TRUE) && ((LKAFault_Cnt_T_lgc == TRUE) || (LKAInhibit_Cnt_T_lgc == TRUE) || (TrqOvlSta_ESCState_State_M_enum == ESC_Active) || (TrqOvlSta_ESCState_State_M_enum == ESC_TemporarilyLimited)))
TS3.60"(LKARequest_Cnt_T_lgc == TRUE)=True
((MinSecureVehicleSpeed_Kph_T_f32 < k_LKAMinVehSpd_Kph_f32)=False || (MinSecureVehicleSpeed_Kph_T_f32 > k_LKAMaxVehSpd_Kph_f32)=False ||(LKARequest_Cnt_T_lgc == FALSE)=True)"
TS3.61"((MinSecureVehicleSpeed_Kph_T_f32 < k_LKAMinVehSpd_Kph_f32) || (MinSecureVehicleSpeed_Kph_T_f32 > k_LKAMaxVehSpd_Kph_f32) ||(LKARequest_Cnt_T_lgc == FALSE))=FALSE
((LKAInhibit_Cnt_T_lgc == TRUE) || (LKAFault_Cnt_T_lgc == TRUE) || (TrqOvlSta_ESCState_State_M_enum == ESC_Active) || (TrqOvlSta_ESCState_State_M_enum == ESC_TemporarilyLimited))=True"
TS3.62((MinSecureVehicleSpeed_Kph_T_f32 < k_LKAMinVehSpd_Kph_f32) || (MinSecureVehicleSpeed_Kph_T_f32 > k_LKAMaxVehSpd_Kph_f32) ||(LKARequest_Cnt_T_lgc == FALSE))=True
TS3.63((LKAInhibit_Cnt_T_lgc == TRUE) || (LKAFault_Cnt_T_lgc == TRUE) || (TrqOvlSta_ESCState_State_M_enum == ESC_Active) || (TrqOvlSta_ESCState_State_M_enum == ESC_TemporarilyLimited))
TS3.64((LKAInhibit_Cnt_T_lgc == TRUE)=False || (LKAFault_Cnt_T_lgc == TRUE)=False || (TrqOvlSta_ESCState_State_M_enum == ESC_Active)=False || (TrqOvlSta_ESCState_State_M_enum == ESC_TemporarilyLimited)=True)
TS3.65((LKAInhibit_Cnt_T_lgc == TRUE)=False || (LKAFault_Cnt_T_lgc == TRUE)=False || (TrqOvlSta_ESCState_State_M_enum == ESC_Active)=True || (TrqOvlSta_ESCState_State_M_enum == ESC_TemporarilyLimited))
TS3.66"((LKAInhibit_Cnt_T_lgc == TRUE) || (LKAFault_Cnt_T_lgc == TRUE) || (TrqOvlSta_ESCState_State_M_enum == ESC_Active) || (TrqOvlSta_ESCState_State_M_enum == ESC_TemporarilyLimited))=False
"
TS3.67(ESCRequest_Cnt_T_lgc == TRUE)=True
TS3.68(ESCRequest_Cnt_T_lgc == TRUE)=False
TS3.69(ESCIsLimited_Cnt_T_lgc == TRUE)=False
TS3.70(ESCRequest_Cnt_T_lgc == FALSE)=True
TS3.71"(ESCFault_Cnt_T_lgc == TRUE)=False
(ESCIsLimited_Cnt_T_lgc == FALSE)=False"
TS3.72(ESCIsLimited_Cnt_T_lgc == FALSE)=True
TS3.73(ESCRequest_Cnt_T_lgc == FALSE)=True
TS3.74"((TrqOvlSta_APAState_State_M_enum == APA_Active) =True&& (PosTrajEnable_Cnt_T_lgc == TRUE)=False) ((TrqOvlSta_APAState_State_M_enum != APA_Active) && (PosTrajEnable_Cnt_T_lgc == TRUE))=False"
TS3.75(LKARequest_Cnt_T_lgc == TRUE)=False
TS3.76"switch (TrqOvlSta_APAState_State_M_enum)
Default:True"
TS3.77"case (ESC_ManufacturingDisable):True
case(APA_PermanentlyFailed):=True"
TS3.78"switch (TrqOvlSta_ESCState_State_M_enum)
default:True
switch (TrqOvlSta_HapticState_State_M_enum)
default:True"
TS3.79(TrqOvlSta_Hapticdur_Cnt_M_u16 > (k_HapticDuration_Sec_f32/D_2MS_SEC_F32))=>FALSE
TS3.80((StandstillTime_Cnt_T_lgc==FALSE)F || (APARequest_Cnt_T_lgc ==FALSE)T|| (ShiftLevRevTime_Cnt_T_lgc==FALSE)F)=>TRUE
TS3.81((StandstillTime_Cnt_T_lgc==FALSE)F || (APARequest_Cnt_T_lgc ==FALSE)F|| (ShiftLevRevTime_Cnt_T_lgc==FALSE)T)=>TRUE
TS3.82((StandstillTime_Cnt_T_lgc==FALSE)F || (APARequest_Cnt_T_lgc ==FALSE)F|| (ShiftLevRevTime_Cnt_T_lgc==FALSE)F)=>False
TS3.83(TrqOvlSta_Hapticdur_Cnt_M_u16 > (k_HapticReacttime_Sec_f32 / D_2MS_SEC_F32))=>False
TS3.84((MaxSecureVehicleSpeed_Kph_T_f32 > k_APAMaxVehSpd_Kph_f32) ||(APARecoverableFaults_Cnt_T_lgc==TRUE)|| ((HapticRequest_Cnt_T_lgc==TRUE)&&(HapticReqDurExceeded_Cnt_T_lgc==TRUE)) ||(LrnEOTFound_Cnt_T_lgc == FALSE))=>TRUE

Test Step 3.1 (Repeat Count = 1)   ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	4
TrqOvlSta_ESCState_State_M_enum	4
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	34667.4219
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	5450
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0
TrqOvlSta_HapticState_State_M_enum	1
TrqOvlSta_Hapticdur_Cnt_M_u16	5270
TrqOvlSta_Haptictime_Sec_M_f32	27475.5293

Name	Input Value
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	5.69000006
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0890000015
TrqOvlSta_LKAFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_u08	4
TrqOvlSta_LKAState_State_M_enum	3
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	1
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0
k_APAIncludeHaptic_Cnt_lgc	1
k_APAMaxHwTrqTime_Sec_f32	0.376666665
k_APAMaxHwTrq_HwNm_f32	3.75999999
k_APAMaxVehSpd_Kph_f32	84.5999985
k_ESCMaxVehSpd_Kph_f32	1
k_HapticAmplitude_MtrNm_f32	0.282000005
k_HapticDuration_Sec_f32	0.704999983
k_HapticFreq_Hz_f32	3.25
k_HapticReacttime_Sec_f32	0.751999974
k_LKAMaxVehSpd_Kph_f32	89.3000031
k_LKAMinVehSpd_Kph_f32	82.25
k_MaxHapticReqTime_Sec_f32	0.720000029
k_SWARLimiter_HwDeg_f32	0
k_ShiftLevRevTime_Sec_f32	0.188999996
k_StandstillThresh_Kph_f32	4
k_StandstillTime_Sec_f32	0.188999996
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-1
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-390.01001
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	360.980011
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0

Name	Input Value
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	2.0999999
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	0
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	0
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	1
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0.00200000009	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	1	1	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	5270	5270 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	5.69000006	5.69000006 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	4	4 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	3	3	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	1	1 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	1	1	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	1	1 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.282000005	0.282000005 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	3.25	3.25 ± 0.0009765625	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached		1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection		1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached		1	✔

Test Step 3.2 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	1	
TrqOvlSta_ESCState_State_M_enum	1	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	
TrqOvlSta_HapticState_State_M_enum	0	
TrqOvlSta_Hapticdur_Cnt_M_u16	44450	
TrqOvlSta_Haptictime_Sec_M_f32	0	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-1.64999998	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.419	
TrqOvlSta_LKAFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_u08	1	
TrqOvlSta_LKAState_State_M_enum	0	
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	1.39999998	
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	
k_APAIncludeHaptic_Cnt_lgc	1	
k_APAMaxHwTrqTime_Sec_f32	0.601666689	
k_APAMaxHwTrq_HwNm_f32	0	
k_APAMaxVehSpd_Kph_f32	138.600006	
k_ESCMaxVehSpd_Kph_f32	12	
k_HapticAmplitude_MtrNm_f32	0.462000012	
k_HapticDuration_Sec_f32	1.15499997	

Name	Input Value
k_HapticFreq_Hz_f32	32.3019981
k_HapticReacttime_Sec_f32	1.23199999
k_LKAMaxVehSpd_Kph_f32	146.300003
k_LKAMinVehSpd_Kph_f32	100
k_MaxHapticReqTime_Sec_f32	0.600000024
k_SWARLimiter_HwDeg_f32	0
k_ShiftLevRevTime_Sec_f32	0.308999985
k_StandstillThresh_Kph_f32	0
k_StandstillTime_Sec_f32	0.308999985
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	5
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-388.230011
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	361.01001
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	8.10000038
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	1
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	1
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.200000003
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	0
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	1	1	✔
TrqOvlSta_ESCState_State_M_enum	2	2	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0.00200000009	0.00200000009 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0.00200000009	0.00200000009 ± 1	✔

Name	Actual Value	Expected Value	Result
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0.00200000009 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	44450	44450 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0.00200000009	0.00200000009 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	2.43524981	2.43525004 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	2 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	0	0	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.200000003	0.200000003 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	1	1	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	2	2	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.200000003	0.200000003 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.462000012	0.462000012 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	32.3019981	32.3019981 ± 0.0009765625	✔

Test Step Call Trace					✔
Actual Function		**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached		1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection		1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached		1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 3.3 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	1	
TrqOvlSta_ESCState_State_M_enum	0	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0.460000008	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	45	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0.850000024	
TrqOvlSta_HapticState_State_M_enum	0	
TrqOvlSta_Hapticdur_Cnt_M_u16	15	
TrqOvlSta_Haptictime_Sec_M_f32	75.6800003	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-9.85999966	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.00200000009	
TrqOvlSta_LKAFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_u08	0	
TrqOvlSta_LKAState_State_M_enum	0	
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	1.20000005	
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	
k_APAIncludeHaptic_Cnt_lgc	1	
k_APAMaxHwTrqTime_Sec_f32	0.109999999	
k_APAMaxHwTrq_HwNm_f32	0.100000001	
k_APAMaxVehSpd_Kph_f32	0.200000003	
k_ESCMaxVehSpd_Kph_f32	10.1000004	
k_HapticAmplitude_MtrNm_f32	0	
k_HapticDuration_Sec_f32	0.50999999	
k_HapticFreq_Hz_f32	3	
k_HapticReacttime_Sec_f32	0.159999996	
k_LKAMaxVehSpd_Kph_f32	0	
k_LKAMinVehSpd_Kph_f32	0.400000006	
k_MaxHapticReqTime_Sec_f32	0.0149999997	
k_SWARLimiter_HwDeg_f32	2.20000005	
k_ShiftLevRevTime_Sec_f32	0.00100000005	
k_StandstillThresh_Kph_f32	0	
k_StandstillTime_Sec_f32	0.00100000005	
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-8	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum	

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-386.450012
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	361.040009
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	0.209999993
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	25.2999992
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	35.0999985
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.100000001
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-32.5
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0.460000008	0.460000008 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	45	45 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	15	15 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	75.6800003	75.6800003 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-9.83985996	-9.83985996 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	0	0 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	4	4	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	1.20000005	1.20000005 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔

Name	Actual Value	Expected Value	Result
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	1.20000005	1.20000005 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0	0 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	3	3 ± 0.0009765625	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 3.4 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	2	
TrqOvlSta_ESCState_State_M_enum	1	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	7.11999989	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	132.839996	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	8	
TrqOvlSta_HapticState_State_M_enum	2	
TrqOvlSta_Hapticdur_Cnt_M_u16	240	
TrqOvlSta_Haptictime_Sec_M_f32	150	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-9.25	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.00419999985	
TrqOvlSta_LKAFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	
TrqOvlSta_LKAState_State_M_enum	1	
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	2.29999995	
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	
k_APAIncludeHaptic_Cnt_lgc	0	
k_APAMaxHwTrqTime_Sec_f32	0.119999997	
k_APAMaxHwTrq_HwNm_f32	0.0799999982	
k_APAMaxVehSpd_Kph_f32	1.79999995	
k_ESCMaxVehSpd_Kph_f32	12.5	
k_HapticAmplitude_MtrNm_f32	0.00600000005	
k_HapticDuration_Sec_f32	0.0149999997	
k_HapticFreq_Hz_f32	3.53999996	
k_HapticReacttime_Sec_f32	0.0160000008	
k_LKAMaxVehSpd_Kph_f32	1.89999998	
k_LKAMinVehSpd_Kph_f32	1.75	
k_MaxHapticReqTime_Sec_f32	0.0299999993	
k_SWARLimiter_HwDeg_f32	3.5999999	
k_ShiftLevRevTime_Sec_f32	0.00499999989	
k_StandstillThresh_Kph_f32	0.0399999991	
k_StandstillTime_Sec_f32	0.00499999989	
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-7.8499999	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc	

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-384.670013
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	361.070007
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	0.560000002
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	30.2000008
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	40
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.109999999
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-30.6000004
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	3	3	✔
TrqOvlSta_ESCState_State_M_enum	3	3	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	2	2	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	240	240 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-9.25	-9.25 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	2 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	3	3	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.109999999	0.109999999 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	2	2	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.109999999	0.109999999 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.00600000005	0.00600000005 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	3.53999996	3.53999996 ± 0.0009765625	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 3.5 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	1
TrqOvlSta_ESCState_State_M_enum	3
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	175.460007
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	308.519989
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	225.639999
TrqOvlSta_HapticState_State_M_enum	2
TrqOvlSta_Hapticdur_Cnt_M_u16	684
TrqOvlSta_Haptictime_Sec_M_f32	1345
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-8.02999973
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.00860000029
TrqOvlSta_LKAFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_u08	3
TrqOvlSta_LKAState_State_M_enum	3
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	4.5
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
k_APAIncludeHaptic_Cnt_lgc	1
k_APAMaxHwTrqTime_Sec_f32	0.140000001
k_APAMaxHwTrq_HwNm_f32	0.239999995
k_APAMaxVehSpd_Kph_f32	5.4000001
k_ESCMaxVehSpd_Kph_f32	17.2999992
k_HapticAmplitude_MtrNm_f32	0.0179999992
k_HapticDuration_Sec_f32	0.0450000018
k_HapticFreq_Hz_f32	4.55999994
k_HapticReacttime_Sec_f32	0.0480000004
k_LKAMaxVehSpd_Kph_f32	5.69999981
k_LKAMinVehSpd_Kph_f32	5.25
k_MaxHapticReqTime_Sec_f32	0.0599999987
k_SWARLimiter_HwDeg_f32	6.4000001
k_ShiftLevRevTime_Sec_f32	0.0130000003
k_StandstillThresh_Kph_f32	0.119999997
k_StandstillTime_Sec_f32	0.0130000003
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-7.55000019
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1

Name	Input Value
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-382.890015
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	361.100006
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	1.25999999
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	40
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	49.7999992
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.129999995
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-26.7999992
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	0	0	✔
TrqOvlSta_ESCState_State_M_enum	3	3	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	308.519989	308.519989 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	684	684 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-8.02999973	-8.02999973 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	3	3 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	3	3	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.129999995	0.129999995 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.129999995	0.129999995 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.0179999992	0.0179999992 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	4.55999994	4.55999994 ± 0.0009765625	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔	
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔	

Test Step 3.6 (Repeat Count = 1)	✔
Name	**Input Value**
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	4
TrqOvlSta_ESCState_State_M_enum	0
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	860.340027
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	484.200012
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	930.719971
TrqOvlSta_HapticState_State_M_enum	2
TrqOvlSta_Hapticdur_Cnt_M_u16	1050
TrqOvlSta_Haptictime_Sec_M_f32	2315.65991
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-6.80999994
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0130000003
TrqOvlSta_LKAFault_Cnt_M_lgc	0

Name	Input Value
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	2
TrqOvlSta_LKAState_State_M_enum	3
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	6.69999981
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0
k_APAIncludeHaptic_Cnt_lgc	0
k_APAMaxHwTrqTime_Sec_f32	0.159999996
k_APAMaxHwTrq_HwNm_f32	0.400000006
k_APAMaxVehSpd_Kph_f32	9
k_ESCMaxVehSpd_Kph_f32	22.1000004
k_HapticAmplitude_MtrNm_f32	0.0299999993
k_HapticDuration_Sec_f32	0.075000003
k_HapticFreq_Hz_f32	5.57399988
k_HapticReacttime_Sec_f32	0.0799999982
k_LKAMaxVehSpd_Kph_f32	9.5
k_LKAMinVehSpd_Kph_f32	8.75
k_MaxHapticReqTime_Sec_f32	0.0900000036
k_SWARLimiter_HwDeg_f32	9.19999981
k_ShiftLevRevTime_Sec_f32	0.0209999997
k_StandstillThresh_Kph_f32	0.200000003
k_StandstillTime_Sec_f32	0.0209999997
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-7.25
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-381.109985
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	361.130005
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	1.96000004
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1

Name	Input Value		
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0		
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	49.7999992		
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	59.5999985		
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1		
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.150000006		
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-23		
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0		

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✔
TrqOvlSta_ESCState_State_M_enum	3	3	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	2	2	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	1050	1050 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	2315.65991	2315.65991 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-6.80999994	-6.80999994 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	3	3 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	3	3	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.150000006	0.150000006 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	2	2	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.150000006	0.150000006 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.0299999993	0.0299999993 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	5.57399988	5.57399988 ± 0.0009765625	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached		1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection		1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached		1	✔

Test Step 3.7 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	2	
TrqOvlSta_ESCState_State_M_enum	2	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	2639.65991	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	659.880005	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	2670.19995	
TrqOvlSta_HapticState_State_M_enum	0	
TrqOvlSta_Hapticdur_Cnt_M_u16	6100	
TrqOvlSta_Haptictime_Sec_M_f32	3285.03003	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-5.59000015	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0174000002	
TrqOvlSta_LKAFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	
TrqOvlSta_LKAState_State_M_enum	1	
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	8.89999962	
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	
k_APAIncludeHaptic_Cnt_lgc	1	
k_APAMaxHwTrqTime_Sec_f32	0.180000007	
k_APAMaxHwTrq_HwNm_f32	0.560000002	
k_APAMaxVehSpd_Kph_f32	12.6000004	
k_ESCMaxVehSpd_Kph_f32	26.8999996	
k_HapticAmplitude_MtrNm_f32	0.0419999994	
k_HapticDuration_Sec_f32	0.104999997	
k_HapticFreq_Hz_f32	6.60200024	
k_HapticReacttime_Sec_f32	0.112000003	
k_LKAMaxVehSpd_Kph_f32	13.3000002	

Name	Input Value
k_LKAMinVehSpd_Kph_f32	12.25
k_MaxHapticReqTime_Sec_f32	0.119999997
k_SWARLimiter_HwDeg_f32	12
k_ShiftLevRevTime_Sec_f32	0.0289999992
k_StandstillThresh_Kph_f32	0.280000001
k_StandstillTime_Sec_f32	0.0289999992
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-6.94999981
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-379.329987
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	361.160004
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	2.66000009
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	59.5999985
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	69.4000015
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.170000002
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-19.2000008
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	0	0	✔
TrqOvlSta_ESCState_State_M_enum	3	3	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	2639.65991	2639.65991 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	659.880005	659.880005 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	6100	6100 ± 1	✔

TEST DETAILS REPORT

TrqOvlSta_Per1

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Name	Actual Value	Expected Value	Result
TrqOvlSta_Haptictime_Sec_M_f32	3285.03003	3285.03003 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-5.44645023	-5.44645023 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	3	3 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	3	3	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.170000002	0.170000002 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.170000002	0.170000002 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.0419999994	0.0419999994 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	6.60200024	6.60200024 ± 0.0009765625	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 3.8 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	0	
TrqOvlSta_ESCState_State_M_enum	4	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	4418.97998	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	835.559998	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	4409.68018	
TrqOvlSta_HapticState_State_M_enum	0	
TrqOvlSta_Hapticdur_Cnt_M_u16	11150	
TrqOvlSta_Haptictime_Sec_M_f32	425564	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-4.36999989	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0218000002	
TrqOvlSta_LKAFault_Cnt_M_lgc	1	
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	
TrqOvlSta_LKAState_State_M_enum	1	
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	11.1000004	
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	
k_APAIncludeHaptic_Cnt_lgc	1	
k_APAMaxHwTrqTime_Sec_f32	0.200000003	
k_APAMaxHwTrq_HwNm_f32	0.720000029	
k_APAMaxVehSpd_Kph_f32	16.2000008	
k_ESCMaxVehSpd_Kph_f32	31.7000008	
k_HapticAmplitude_MtrNm_f32	0.0540000014	
k_HapticDuration_Sec_f32	0.135000005	
k_HapticFreq_Hz_f32	7.63000011	
k_HapticReacttime_Sec_f32	0.143999994	
k_LKAMaxVehSpd_Kph_f32	17.1000004	
k_LKAMinVehSpd_Kph_f32	15.75	
k_MaxHapticReqTime_Sec_f32	0.150000006	
k_SWARLimiter_HwDeg_f32	14.8000002	
k_ShiftLevRevTime_Sec_f32	0.0370000005	
k_StandstillThresh_Kph_f32	0.360000014	
k_StandstillTime_Sec_f32	0.0370000005	
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-6.6500001	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc	

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-377.549988
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	361.190002
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	3.3599999
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	69.4000015
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	79.1999969
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.189999998
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-15.3999996
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	0	0	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	4418.97998	4418.97998 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	835.559998	835.559998 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	11150	11150 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	425564	425564 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-4.20148611	-4.20148611 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	2 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	0	0	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.189999998	0.189999998 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.189999998	0.189999998 ± 0.0009765625	✔

Name	Actual Value	Expected Value	Result
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.0540000014	0.0540000014 ± 0.0009765625	✓
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✓
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	7.63000011	7.63000011 ± 0.0009765625	✓

Test Step Call Trace					✓
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✓
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✓
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✓

Test Step 3.9 (Repeat Count = 1)		✓
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	0	
TrqOvlSta_ESCState_State_M_enum	1	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	6198.2998	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	1011.23999	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	6149.16016	
TrqOvlSta_HapticState_State_M_enum	1	
TrqOvlSta_Hapticdur_Cnt_M_u16	16200	
TrqOvlSta_Haptictime_Sec_M_f32	5225.33984	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-3.1500001	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0262000002	
TrqOvlSta_LKAFault_Cnt_M_lgc	1	
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	
TrqOvlSta_LKAState_State_M_enum	0	
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	13.3000002	
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	
k_APAIncludeHaptic_Cnt_lgc	0	
k_APAMaxHwTrqTime_Sec_f32	0.219999999	
k_APAMaxHwTrq_HwNm_f32	0.879999995	
k_APAMaxVehSpd_Kph_f32	19.7999992	
k_ESCMaxVehSpd_Kph_f32	36.5	
k_HapticAmplitude_MtrNm_f32	0.0659999996	
k_HapticDuration_Sec_f32	0.165000007	
k_HapticFreq_Hz_f32	8.65799999	
k_HapticReacttime_Sec_f32	0.175999999	
k_LKAMaxVehSpd_Kph_f32	20.8999996	
k_LKAMinVehSpd_Kph_f32	19.25	
k_MaxHapticReqTime_Sec_f32	0.180000007	
k_SWARLimiter_HwDeg_f32	17.6000004	
k_ShiftLevRevTime_Sec_f32	0.0450000018	
k_StandstillThresh_Kph_f32	0.439999998	
k_StandstillTime_Sec_f32	0.0450000018	
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-6.3499999	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum	

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-375.769989
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	361.220001
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	4.05999994
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	79.1999969
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	89
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.109999999
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-11.6000004
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	0	0	✔
TrqOvlSta_ESCState_State_M_enum	3	3	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	1011.23999	1011.23999 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	1	1	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	16200	16200 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-3.1500001	-3.1500001 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	2 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	0	0	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.109999999	0.109999999 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	1	1	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.109999999	0.109999999 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.0659999996	0.0659999996 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	8.65799999	8.65799999 ± 0.0009765625	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached		1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection		1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached		1	✔

Test Step 3.10 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	1
TrqOvlSta_ESCState_State_M_enum	2
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	11536.2598
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	1538.28003
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	11367.5996
TrqOvlSta_HapticState_State_M_enum	2
TrqOvlSta_Hapticdur_Cnt_M_u16	31350
TrqOvlSta_Haptictime_Sec_M_f32	8134.31982
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0.50999999
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0394000001
TrqOvlSta_LKAFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_u08	4
TrqOvlSta_LKAState_State_M_enum	2
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	19.8999996
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0
k_APAIncludeHaptic_Cnt_lgc	0
k_APAMaxHwTrqTime_Sec_f32	0.280000001
k_APAMaxHwTrq_HwNm_f32	1.36000001
k_APAMaxVehSpd_Kph_f32	30.6000004
k_ESCMaxVehSpd_Kph_f32	50.9000015
k_HapticAmplitude_MtrNm_f32	0.101999998
k_HapticDuration_Sec_f32	0.254999995
k_HapticFreq_Hz_f32	11.7419996
k_HapticReacttime_Sec_f32	0.272000015
k_LKAMaxVehSpd_Kph_f32	32.2999992
k_LKAMinVehSpd_Kph_f32	29.75
k_MaxHapticReqTime_Sec_f32	0.270000011
k_SWARLimiter_HwDeg_f32	26
k_ShiftLevRevTime_Sec_f32	0.0689999983
k_StandstillThresh_Kph_f32	0.680000007
k_StandstillTime_Sec_f32	0.0689999983
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-5.44999981
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1

Name	Input Value
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-373.98999
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	361.25
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	-3.9000001
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	108.599998
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	118.400002
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.170000002
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-0.200000003
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	3	3	✔
TrqOvlSta_ESCState_State_M_enum	3	3	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	31350	31350 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	8134.31982	8134.31982 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0.50999999	0.50999999 ± 0.0000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	4	4 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	3	3	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.170000002	0.170000002 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.170000002	0.170000002 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.101999998	0.101999998 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	11.7419996	11.7419996 ± 0.0009765625	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 3.11 (Repeat Count = 1)	✔
Name	**Input Value**
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	2
TrqOvlSta_ESCState_State_M_enum	4
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	13315.5801
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	1713.95996
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	13107.0801
TrqOvlSta_HapticState_State_M_enum	2
TrqOvlSta_Hapticdur_Cnt_M_u16	36400
TrqOvlSta_Haptictime_Sec_M_f32	9103.98047
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	1.73000002
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0438000001
TrqOvlSta_LKAFault_Cnt_M_lgc	0

Name	Input Value
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	0
TrqOvlSta_LKAState_State_M_enum	2
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	22.1000004
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0
k_APAIncludeHaptic_Cnt_lgc	1
k_APAMaxHwTrqTime_Sec_f32	0.300000012
k_APAMaxHwTrq_HwNm_f32	1.51999998
k_APAMaxVehSpd_Kph_f32	34.2000008
k_ESCMaxVehSpd_Kph_f32	55.7000008
k_HapticAmplitude_MtrNm_f32	0.114
k_HapticDuration_Sec_f32	0.284999996
k_HapticFreq_Hz_f32	12.7700005
k_HapticReacttime_Sec_f32	0.30399999
k_LKAMaxVehSpd_Kph_f32	36.0999985
k_LKAMinVehSpd_Kph_f32	33.25
k_MaxHapticReqTime_Sec_f32	0.300000012
k_SWARLimiter_HwDeg_f32	28.7999992
k_ShiftLevRevTime_Sec_f32	0.0769999996
k_StandstillThresh_Kph_f32	0.75999999
k_StandstillTime_Sec_f32	0.0769999996
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-5.1500001
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-372.209991
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	361.279999
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	-8.80000019
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0

Name	Input Value		
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0		
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	118.400002		
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	128.199997		
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1		
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.189999998		
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	3.5999999		
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1		

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	0	0	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	1713.95996	1713.95996 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	2	2	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	36400	36400 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	1.73000002	1.73000002 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	0	0 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	0	0	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.189999998	0.189999998 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	2	2	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.189999998	0.189999998 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.114	0.114 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	12.7700005	12.7700005 ± 0.0009765625	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 3.12 (Repeat Count = 1) ✔

Name	Input Value		
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign		
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta		
TrqOvlSta_APAState_State_M_enum	0		
TrqOvlSta_ESCState_State_M_enum	3		
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	16874.2207		
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	2065.32007		
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	16586.0391		
TrqOvlSta_HapticState_State_M_enum	2		
TrqOvlSta_Hapticdur_Cnt_M_u16	46500		
TrqOvlSta_Haptictime_Sec_M_f32	11043.2998		
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	4.17000008		
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0526000001		
TrqOvlSta_LKAFault_Cnt_M_lgc	0		
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0		
TrqOvlSta_LKAPermFault_Cnt_M_u08	2		
TrqOvlSta_LKAState_State_M_enum	0		
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	26.5		
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0		
k_APAIncludeHaptic_Cnt_lgc	0		
k_APAMaxHwTrqTime_Sec_f32	0.340000004		
k_APAMaxHwTrq_HwNm_f32	1.84000003		
k_APAMaxVehSpd_Kph_f32	41.4000015		
k_ESCMaxVehSpd_Kph_f32	65.3000031		
k_HapticAmplitude_MtrNm_f32	0.137999997		
k_HapticDuration_Sec_f32	0.344999999		
k_HapticFreq_Hz_f32	14.8260002		
k_HapticReacttime_Sec_f32	0.368000001		
k_LKAMaxVehSpd_Kph_f32	43.7000008		

Name	Input Value
k_LKAMinVehSpd_Kph_f32	40.25
k_MaxHapticReqTime_Sec_f32	0.360000014
k_SWARLimiter_HwDeg_f32	34.4000015
k_ShiftLevRevTime_Sec_f32	0.0930000022
k_StandstillThresh_Kph_f32	0.920000017
k_StandstillTime_Sec_f32	0.0930000022
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-4.55000019
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-370.429993
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	361.309998
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	-4.4000001
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	138
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	147.800003
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.129999995
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	11.1999998
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	3	3	✔
TrqOvlSta_ESCState_State_M_enum	3	3	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	2065.32007	2065.32007 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	2	2	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	46500	46500 ± 1	✔

Name	Actual Value	Expected Value	Result
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	4.17000008	4.17000008 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	2 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	0	0	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.129999995	0.129999995 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	2	2	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.129999995	0.129999995 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.137999997	0.137999997 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	14.8260002	14.8260002 ± 0.0009765625	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 3.13 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	0
TrqOvlSta_ESCState_State_M_enum	0
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	18653.5391
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	2241
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	18325.5195
TrqOvlSta_HapticState_State_M_enum	1
TrqOvlSta_Hapticdur_Cnt_M_u16	51550
TrqOvlSta_Haptictime_Sec_M_f32	12012.96
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	5.38999987
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.057
TrqOvlSta_LKAFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_u08	1
TrqOvlSta_LKAState_State_M_enum	0
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	28.7000008
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
k_APAIncludeHaptic_Cnt_lgc	0
k_APAMaxHwTrqTime_Sec_f32	0.360000014
k_APAMaxHwTrq_HwNm_f32	2
k_APAMaxVehSpd_Kph_f32	45
k_ESCMaxVehSpd_Kph_f32	70.0999985
k_HapticAmplitude_MtrNm_f32	0.150000006
k_HapticDuration_Sec_f32	0.375
k_HapticFreq_Hz_f32	15.8540001
k_HapticReacttime_Sec_f32	0.400000006
k_LKAMaxVehSpd_Kph_f32	47.5
k_LKAMinVehSpd_Kph_f32	43.75
k_MaxHapticReqTime_Sec_f32	0.389999986
k_SWARLimiter_HwDeg_f32	37.2000008
k_ShiftLevRevTime_Sec_f32	0.101000004
k_StandstillThresh_Kph_f32	1
k_StandstillTime_Sec_f32	0.101000004
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-4.25
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-368.649994
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	361.339996
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	-2.29999995
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	147.800003
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	157.600006
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.150000006
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	15
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	3	3	✔
TrqOvlSta_ESCState_State_M_enum	3	3	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	1	1	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	51550	51550 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	5.38999987	5.38999987 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	1	1 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	3	3	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.150000006	0.150000006 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	1	1	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.150000006	0.150000006 ± 0.0009765625	✔

Name	Actual Value	Expected Value	Result
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.150000006	0.150000006 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	15.8540001	15.8540001 ± 0.0009765625	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔	
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔	

Test Step 3.14 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	2	
TrqOvlSta_ESCState_State_M_enum	4	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	31108.7793	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	3470.76001	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	30501.8809	
TrqOvlSta_HapticState_State_M_enum	1	
TrqOvlSta_Hapticdur_Cnt_M_u16	50530	
TrqOvlSta_Haptictime_Sec_M_f32	35000.5391	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	1.21000004	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0548	
TrqOvlSta_LKAFault_Cnt_M_lgc	1	
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	
TrqOvlSta_LKAState_State_M_enum	2	
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	44.0999985	
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	
k_APAIncludeHaptic_Cnt_lgc	0	
k_APAMaxHwTrqTime_Sec_f32	0.5	
k_APAMaxHwTrq_HwNm_f32	3.11999989	
k_APAMaxVehSpd_Kph_f32	70.1999969	
k_ESCMaxVehSpd_Kph_f32	103.699997	
k_HapticAmplitude_MtrNm_f32	0.233999997	
k_HapticDuration_Sec_f32	0.584999979	
k_HapticFreq_Hz_f32	23.0499992	
k_HapticReacttime_Sec_f32	0.624000013	
k_LKAMaxVehSpd_Kph_f32	74.0999985	
k_LKAMinVehSpd_Kph_f32	68.25	
k_MaxHapticReqTime_Sec_f32	0.600000024	
k_SWARLimiter_HwDeg_f32	56.7999992	
k_ShiftLevRevTime_Sec_f32	0.157000005	
k_StandstillThresh_Kph_f32	1.55999994	
k_StandstillTime_Sec_f32	0.157000005	
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-2.1500001	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum	

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-366.869995
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	361.369995
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	0.5
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	216.399994
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	226.199997
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.189999998
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-28.2999992
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	1	1	✓
TrqOvlSta_ESCState_State_M_enum	4	4	✓
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✓
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	✓
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✓
TrqOvlSta_HapticState_State_M_enum	1	1	✓
TrqOvlSta_Hapticdur_Cnt_M_u16	50530	50530 ± 1	✓
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✓
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	1.21000004	1.21000004 ± 0.000009	✓
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✓
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✓
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	2 ± 1	✓
TrqOvlSta_LKAState_State_M_enum	3	3	✓
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.189999998	0.189999998 ± 0.0009765625	✓
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✓
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✓
tgt_TrqOvlSta_Per1_APAState_State_enum.value	1	1	✓
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✓
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	1	1	✓
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	3	3	✓
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✓
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.189999998	0.189999998 ± 0.0009765625	✓
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.233999997	0.233999997 ± 0.0009765625	✓
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	1	1 ± 1	✓
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	23.0499992	23.0499992 ± 0.0009765625	✓

Test Step Call Trace					✓
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached		1	✓
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection		1	✓
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached		1	✓

Test Step 3.15 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	1
TrqOvlSta_ESCState_State_M_enum	1
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	220386
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	30810
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	44754
TrqOvlSta_HapticState_State_M_enum	0
TrqOvlSta_Hapticdur_Cnt_M_u16	20942
TrqOvlSta_Haptictime_Sec_M_f32	51515
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.221000001
TrqOvlSta_LKAFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	1
TrqOvlSta_LKAState_State_M_enum	2
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	57.2999992
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0
k_APAIncludeHaptic_Cnt_lgc	1
k_APAMaxHwTrqTime_Sec_f32	0.620000005
k_APAMaxHwTrq_HwNm_f32	4.71999979
k_APAMaxVehSpd_Kph_f32	106.199997
k_ESCMaxVehSpd_Kph_f32	132.5
k_HapticAmplitude_MtrNm_f32	0.354000002
k_HapticDuration_Sec_f32	0.88499999
k_HapticFreq_Hz_f32	29.2180004
k_HapticReacttime_Sec_f32	0.944000006
k_LKAMaxVehSpd_Kph_f32	112.099998
k_LKAMinVehSpd_Kph_f32	103.25
k_MaxHapticReqTime_Sec_f32	0.899999976
k_SWARLimiter_HwDeg_f32	4
k_ShiftLevRevTime_Sec_f32	0.237000003
k_StandstillThresh_Kph_f32	2.3599999
k_StandstillTime_Sec_f32	0.237000003
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	0.850000024
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1

Name	Input Value
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-365.089996
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	361.399994
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	4.5
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	275.200012
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	285
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.109999999
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-9.10000038
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	3	3	✔
TrqOvlSta_ESCState_State_M_enum	3	3	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	30810	30810 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	20942	20942 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	51515	51515 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0.994499981	0.994499981 ± 0.0000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	1	1 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	2	2	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.109999999	0.109999999 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	2	2	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.109999999	0.109999999 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.354000002	0.354000002 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	29.2180004	29.2180004 ± 0.0009765625	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 3.16 (Repeat Count = 1)	✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	2
TrqOvlSta_ESCState_State_M_enum	1
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	1952499
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	84736.2422
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	378600
TrqOvlSta_HapticState_State_M_enum	1
TrqOvlSta_Hapticdur_Cnt_M_u16	33000
TrqOvlSta_Haptictime_Sec_M_f32	204770
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-4.80000019
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.441000015
TrqOvlSta_LKAFault_Cnt_M_lgc	1

Name	Input Value
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	3
TrqOvlSta_LKAState_State_M_enum	0
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	38.2000008
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
k_APAIncludeHaptic_Cnt_lgc	0
k_APAMaxHwTrqTime_Sec_f32	0.210999995
k_APAMaxHwTrq_HwNm_f32	8.80000019
k_APAMaxVehSpd_Kph_f32	198
k_ESCMaxVehSpd_Kph_f32	164.300003
k_HapticAmplitude_MtrNm_f32	0.660000026
k_HapticDuration_Sec_f32	1.64999998
k_HapticFreq_Hz_f32	54.9179993
k_HapticReacttime_Sec_f32	1.75999999
k_LKAMaxVehSpd_Kph_f32	209
k_LKAMinVehSpd_Kph_f32	120.220001
k_MaxHapticReqTime_Sec_f32	0.150000006
k_SWARLimiter_HwDeg_f32	19
k_ShiftLevRevTime_Sec_f32	0.0370000005
k_StandstillThresh_Kph_f32	4.4000001
k_StandstillTime_Sec_f32	0.0370000005
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-7.55000019
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-363.309998
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	361.429993
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	-8.10000038
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0

Name	Input Value		
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1		
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	20.6000004		
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	41.2000008		
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1		
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.109999999		
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	3.70000005		
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1		

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	2	2	✔
TrqOvlSta_ESCState_State_M_enum	3	3	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	84736.2422	84736.2422 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	1	1	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	33000	33000 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-4.80000019	-4.80000019 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	3	3 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	0	0	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	38.2000008	38.2000008 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	2	2	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	1	1	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	38.2000008	38.2000008 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.660000026	0.660000026 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	54.9179993	54.9179993 ± 0.0009765625	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached		1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection		1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached		1	✔

Test Step 3.17 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	1	
TrqOvlSta_ESCState_State_M_enum	3	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	2020425	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	86335.6016	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	391692	
TrqOvlSta_HapticState_State_M_enum	2	
TrqOvlSta_Hapticdur_Cnt_M_u16	31000	
TrqOvlSta_Haptictime_Sec_M_f32	210780	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-5.1500001	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.430000007	
TrqOvlSta_LKAFault_Cnt_M_lgc	1	
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	
TrqOvlSta_LKAState_State_M_enum	0	
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	41	
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	
k_APAIncludeHaptic_Cnt_lgc	0	
k_APAMaxHwTrqTime_Sec_f32	0.232999995	
k_APAMaxHwTrq_HwNm_f32	8.72000027	
k_APAMaxVehSpd_Kph_f32	196.199997	
k_ESCMaxVehSpd_Kph_f32	174.5	
k_HapticAmplitude_MtrNm_f32	0.671999991	
k_HapticDuration_Sec_f32	1.63499999	
k_HapticFreq_Hz_f32	55.9459991	
k_HapticReacttime_Sec_f32	1.74399996	
k_LKAMaxVehSpd_Kph_f32	220	

Name	Input Value
k_LKAMinVehSpd_Kph_f32	196
k_MaxHapticReqTime_Sec_f32	0.135000005
k_SWARLimiter_HwDeg_f32	19.6000004
k_ShiftLevRevTime_Sec_f32	0.0329999998
k_StandstillThresh_Kph_f32	4.36000013
k_StandstillTime_Sec_f32	0.0329999998
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-7.25
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-361.529999
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	361.459991
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	-8.60000038
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	41.2000008
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	61.7999992
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.129999995
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	6.9000001
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	0	0	✔
TrqOvlSta_ESCState_State_M_enum	3	3	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	31000	31000 ± 1	✔

Name	Actual Value	Expected Value	Result
TrqOvlSta_Haptictime_Sec_M_f32	210780	210780 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-5.1500001	-5.1500001 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	2 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	0	0	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.129999995	0.129999995 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.129999995	0.129999995 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.671999991	0.671999991 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	55.9459991	55.9459991 ± 0.0009765625	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached		1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection		1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached		1	✔

Test Step 3.18 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	1	
TrqOvlSta_ESCState_State_M_enum	0	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	2088351	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	87934.9609	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	404784	
TrqOvlSta_HapticState_State_M_enum	1	
TrqOvlSta_Hapticdur_Cnt_M_u16	41000	
TrqOvlSta_Haptictime_Sec_M_f32	216790.344	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-3.4000001	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.485000014	
TrqOvlSta_LKAFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	
TrqOvlSta_LKAPermFault_Cnt_M_u08	3	
TrqOvlSta_LKAState_State_M_enum	2	
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	43.7999992	
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	
k_APAIncludeHaptic_Cnt_lgc	0	
k_APAMaxHwTrqTime_Sec_f32	0.254999995	
k_APAMaxHwTrq_HwNm_f32	9.11999989	
k_APAMaxVehSpd_Kph_f32	205.199997	
k_ESCMaxVehSpd_Kph_f32	15.6000004	
k_HapticAmplitude_MtrNm_f32	0	
k_HapticDuration_Sec_f32	1.71000004	
k_HapticFreq_Hz_f32	56.973999	
k_HapticReacttime_Sec_f32	1.824	
k_LKAMaxVehSpd_Kph_f32	216.600006	
k_LKAMinVehSpd_Kph_f32	199.5	
k_MaxHapticReqTime_Sec_f32	0.209999993	
k_SWARLimiter_HwDeg_f32	20.2000008	
k_ShiftLevRevTime_Sec_f32	0.0529999994	
k_StandstillThresh_Kph_f32	4.55999994	
k_StandstillTime_Sec_f32	0.0529999994	
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-6.94999981	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc	

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-399.75
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	361.48999
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	-6.0999999
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	61.7999992
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	82.4000015
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.150000006
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	10.1000004
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	1	1	✔
TrqOvlSta_ESCState_State_M_enum	3	3	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	87934.9609	87934.9609 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	1	1	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	41000	41000 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-3.4000001	-3.4000001 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	3	3 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	3	3	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.150000006	0.150000006 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	1	1	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	1	1	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.150000006	0.150000006 ± 0.0009765625	✔

Name	Actual Value	Expected Value	Result
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0	0 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	56.973999	56.973999 ± 0.0009765625	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 3.19 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	1
TrqOvlSta_ESCState_State_M_enum	4
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	2224203
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	91133.6797
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	430968
TrqOvlSta_HapticState_State_M_enum	2
TrqOvlSta_Hapticdur_Cnt_M_u16	45000
TrqOvlSta_Haptictime_Sec_M_f32	228811.703
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-2.70000005
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.507000029
TrqOvlSta_LKAFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	2
TrqOvlSta_LKAState_State_M_enum	2
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	49.4000015
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0
k_APAIncludeHaptic_Cnt_lgc	1
k_APAMaxHwTrqTime_Sec_f32	0.298999995
k_APAMaxHwTrq_HwNm_f32	9.27999973
k_APAMaxVehSpd_Kph_f32	208.800003
k_ESCMaxVehSpd_Kph_f32	30.3999996
k_HapticAmplitude_MtrNm_f32	0.460000008
k_HapticDuration_Sec_f32	1.74000001
k_HapticFreq_Hz_f32	59.0299988
k_HapticReacttime_Sec_f32	1.85599995
k_LKAMaxVehSpd_Kph_f32	20
k_LKAMinVehSpd_Kph_f32	203
k_MaxHapticReqTime_Sec_f32	0.239999995
k_SWARLimiter_HwDeg_f32	21.3999996
k_ShiftLevRevTime_Sec_f32	0.0610000007
k_StandstillThresh_Kph_f32	4.63999987
k_StandstillTime_Sec_f32	0.0610000007
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-6.3499999
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-387.970001
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	361.519989
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	-8.60000038
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	103
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	123.599998
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.189999998
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	16.5
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	1	1	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	0	0 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-2.70000005	-2.70000005 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	3	3 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	3	3	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.189999998	0.189999998 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	1	1	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.189999998	0.189999998 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.460000008	0.460000008 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	59.0299988	59.0299988 ± 0.0009765625	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔	
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔	

Test Step 3.20 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	0
TrqOvlSta_ESCState_State_M_enum	0
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	1884573
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	83136.8828
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	365508
TrqOvlSta_HapticState_State_M_enum	0
TrqOvlSta_Hapticdur_Cnt_M_u16	29000
TrqOvlSta_Haptictime_Sec_M_f32	198760.641
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-5.5
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.419
TrqOvlSta_LKAFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	0
TrqOvlSta_LKAState_State_M_enum	0
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	57.7999992
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
k_APAIncludeHaptic_Cnt_lgc	0
k_APAMaxHwTrqTime_Sec_f32	0.36500001
k_APAMaxHwTrq_HwNm_f32	8.64000034
k_APAMaxVehSpd_Kph_f32	194.399994
k_ESCMaxVehSpd_Kph_f32	52.5999985
k_HapticAmplitude_MtrNm_f32	0.648000002
k_HapticDuration_Sec_f32	1.62
k_HapticFreq_Hz_f32	3
k_HapticReacttime_Sec_f32	1.72800004
k_LKAMaxVehSpd_Kph_f32	205.199997
k_LKAMinVehSpd_Kph_f32	0
k_MaxHapticReqTime_Sec_f32	0.119999997
k_SWARLimiter_HwDeg_f32	23.2000008
k_ShiftLevRevTime_Sec_f32	0.0289999992
k_StandstillThresh_Kph_f32	4.32000017
k_StandstillTime_Sec_f32	0.0289999992
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-5.44999981
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1

Name	Input Value
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-386.190002
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	361.549988
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	8.69999981
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	164.800003
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	185.399994
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.150000006
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	26.1000004
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	3	3	✔
TrqOvlSta_ESCState_State_M_enum	3	3	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	83136.8828	83136.8828 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	29000	29000 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	198760.641	198760.641 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0.449800014	0.449800014 ± 0.0000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	0	0 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	0	0	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.150000006	0.150000006 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.150000006	0.150000006 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.648000002	0.648000002 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	3	3 ± 0.0009765625	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔	
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔	

Test Step 3.21 (Repeat Count = 1)	✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	2
TrqOvlSta_ESCState_State_M_enum	1
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	51515
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	51515
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	51515
TrqOvlSta_HapticState_State_M_enum	2
TrqOvlSta_Hapticdur_Cnt_M_u16	33020
TrqOvlSta_Haptictime_Sec_M_f32	51515
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	1.60000002
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0526000001
TrqOvlSta_LKAFault_Cnt_M_lgc	1

Name	Input Value
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_u08	2
TrqOvlSta_LKAState_State_M_enum	2
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	32
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
k_APAIncludeHaptic_Cnt_lgc	0
k_APAMaxHwTrqTime_Sec_f32	0.915000021
k_APAMaxHwTrq_HwNm_f32	3.75999999
k_APAMaxVehSpd_Kph_f32	63
k_ESCMaxVehSpd_Kph_f32	0
k_HapticAmplitude_MtrNm_f32	0.449999988
k_HapticDuration_Sec_f32	0.360000014
k_HapticFreq_Hz_f32	36.4000015
k_HapticReacttime_Sec_f32	0.783999979
k_LKAMaxVehSpd_Kph_f32	93.0999985
k_LKAMinVehSpd_Kph_f32	85.75
k_MaxHapticReqTime_Sec_f32	0.870000005
k_SWARLimiter_HwDeg_f32	38.2000008
k_ShiftLevRevTime_Sec_f32	0.141000003
k_StandstillThresh_Kph_f32	1.32000005
k_StandstillTime_Sec_f32	0.133000001
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	3.4000001
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-384.410004
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	361.579987
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	2.4000001
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1

Name	Input Value		
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1		
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	162.5		
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	147.800003		
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1		
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.159999996		
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	11.1999998		
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1		

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	3	3	✔
TrqOvlSta_ESCState_State_M_enum	0	0	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	51515	51515 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	2	2	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	33020	33020 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	51515	51515 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	1.60000002	1.60000002 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	2 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	3	3	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.159999996	0.159999996 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	2	2	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.159999996	0.159999996 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.449999988	0.449999988 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	36.4000015	36.4000015 ± 0.0009765625	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 3.22 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	3
TrqOvlSta_ESCState_State_M_enum	1
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	54520
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	54520
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	54520
TrqOvlSta_HapticState_State_M_enum	0
TrqOvlSta_Hapticdur_Cnt_M_u16	34002
TrqOvlSta_Haptictime_Sec_M_f32	54520
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	1.70000005
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0548
TrqOvlSta_LKAFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	3
TrqOvlSta_LKAState_State_M_enum	3
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	33.0999985
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0
k_APAIncludeHaptic_Cnt_lgc	1
k_APAMaxHwTrqTime_Sec_f32	0.925999999
k_APAMaxHwTrq_HwNm_f32	3.83999991
k_APAMaxVehSpd_Kph_f32	64.8000031
k_ESCMaxVehSpd_Kph_f32	180
k_HapticAmplitude_MtrNm_f32	0.469999999
k_HapticDuration_Sec_f32	0.375
k_HapticFreq_Hz_f32	37.0999985
k_HapticReacttime_Sec_f32	0.800000012
k_LKAMaxVehSpd_Kph_f32	95

Name	Input Value
k_LKAMinVehSpd_Kph_f32	87.5
k_MaxHapticReqTime_Sec_f32	0.88499999
k_SWARLimiter_HwDeg_f32	38.5
k_ShiftLevRevTime_Sec_f32	0.144999996
k_StandstillThresh_Kph_f32	1.36000001
k_StandstillTime_Sec_f32	0.136999995
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	3.54999995
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-382.630005
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	361.609985
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	2.70000005
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	167.399994
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	152.699997
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.170000002
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	13.1000004
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✔
TrqOvlSta_ESCState_State_M_enum	0	0	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	34002	34002 ± 1	✔

Name	Actual Value	Expected Value	Result
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	1.75480008	1.75479996 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	3	3 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	4	4	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	33.0999985	33.0999985 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	33.0999985	33.0999985 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.469999999	0.469999999 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	37.0999985	37.0999985 ± 0.0009765625	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 3.23 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	4	
TrqOvlSta_ESCState_State_M_enum	4	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	34667.4219	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	5450	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	
TrqOvlSta_HapticState_State_M_enum	1	
TrqOvlSta_Hapticdur_Cnt_M_u16	5270	
TrqOvlSta_Haptictime_Sec_M_f32	27475.5293	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	5.69000006	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0890000015	
TrqOvlSta_LKAFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	
TrqOvlSta_LKAPermFault_Cnt_M_u08	4	
TrqOvlSta_LKAState_State_M_enum	3	
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	1	
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	
k_APAIncludeHaptic_Cnt_lgc	1	
k_APAMaxHwTrqTime_Sec_f32	0.376666665	
k_APAMaxHwTrq_HwNm_f32	3.75999999	
k_APAMaxVehSpd_Kph_f32	84.5999985	
k_ESCMaxVehSpd_Kph_f32	1	
k_HapticAmplitude_MtrNm_f32	0.282000005	
k_HapticDuration_Sec_f32	0.704999983	
k_HapticFreq_Hz_f32	3.25	
k_HapticReacttime_Sec_f32	0.751999974	
k_LKAMaxVehSpd_Kph_f32	89.3000031	
k_LKAMinVehSpd_Kph_f32	82.25	
k_MaxHapticReqTime_Sec_f32	0.720000029	
k_SWARLimiter_HwDeg_f32	0	
k_ShiftLevRevTime_Sec_f32	0.188999996	
k_StandstillThresh_Kph_f32	4	
k_StandstillTime_Sec_f32	0.188999996	
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-1	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc	

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-380.850006
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	361.640015
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	2.0999999
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	0
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	0
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	1
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0.00200000009	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	1	1	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	5270	5270 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	5.69000006	5.69000006 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	4	4 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	3	3	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	1	1 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	1	1	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	1	1 ± 0.0009765625	✔

Name	Actual Value	Expected Value	Result
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.282000005	0.282000005 ± 0.0009765625	✓
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	1	1 ± 1	✓
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	3.25	3.25 ± 0.0009765625	✓

Test Step Call Trace					✓
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✓
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✓
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✓

Test Step 3.24 (Repeat Count = 1)		✓
Name	**Input Value**
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	0
TrqOvlSta_ESCState_State_M_enum	4
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	4418.97998
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	835.559998
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	4409.68018
TrqOvlSta_HapticState_State_M_enum	0
TrqOvlSta_Hapticdur_Cnt_M_u16	11150
TrqOvlSta_Haptictime_Sec_M_f32	425564
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-4.36999989
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0218000002
TrqOvlSta_LKAFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	2
TrqOvlSta_LKAState_State_M_enum	1
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	11.1000004
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0
k_APAIncludeHaptic_Cnt_lgc	1
k_APAMaxHwTrqTime_Sec_f32	0.200000003
k_APAMaxHwTrq_HwNm_f32	0.720000029
k_APAMaxVehSpd_Kph_f32	70.1999969
k_ESCMaxVehSpd_Kph_f32	31.7000008
k_HapticAmplitude_MtrNm_f32	0.0540000014
k_HapticDuration_Sec_f32	0.135000005
k_HapticFreq_Hz_f32	7.63000011
k_HapticReacttime_Sec_f32	0.143999994
k_LKAMaxVehSpd_Kph_f32	17.1000004
k_LKAMinVehSpd_Kph_f32	15.75
k_MaxHapticReqTime_Sec_f32	0.150000006
k_SWARLimiter_HwDeg_f32	14.8000002
k_ShiftLevRevTime_Sec_f32	0.0370000005
k_StandstillThresh_Kph_f32	0.360000014
k_StandstillTime_Sec_f32	0.0370000005
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-6.6500001
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-389.070007
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	361.670013
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	3.3599999
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	69.4000015
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	79.1999969
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.189999998
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-15.3999996
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	1	1	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	4418.97998	4418.97998 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	835.559998	835.559998 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0.00200000009 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	11150	11150 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-4.20148611	-4.20148611 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	2 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	0	0	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.189999998	0.189999998 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	1	1	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.189999998	0.189999998 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.0540000014	0.0540000014 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	7.63000011	7.63000011 ± 0.0009765625	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached		1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection		1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached		1	✔

Test Step 3.25 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	0
TrqOvlSta_ESCState_State_M_enum	4
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	4418.97998
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	835.559998
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	4409.68018
TrqOvlSta_HapticState_State_M_enum	0
TrqOvlSta_Hapticdur_Cnt_M_u16	11150
TrqOvlSta_Haptictime_Sec_M_f32	425564
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-4.36999989
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0218000002
TrqOvlSta_LKAFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	2
TrqOvlSta_LKAState_State_M_enum	1
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	11.1000004
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0
k_APAIncludeHaptic_Cnt_lgc	1
k_APAMaxHwTrqTime_Sec_f32	0.200000003
k_APAMaxHwTrq_HwNm_f32	0.720000029
k_APAMaxVehSpd_Kph_f32	70.1999969
k_ESCMaxVehSpd_Kph_f32	31.7000008
k_HapticAmplitude_MtrNm_f32	0.0540000014
k_HapticDuration_Sec_f32	0.135000005
k_HapticFreq_Hz_f32	7.63000011
k_HapticReacttime_Sec_f32	0.143999994
k_LKAMaxVehSpd_Kph_f32	17.1000004
k_LKAMinVehSpd_Kph_f32	15.75
k_MaxHapticReqTime_Sec_f32	0.150000006
k_SWARLimiter_HwDeg_f32	14.8000002
k_ShiftLevRevTime_Sec_f32	0.0370000005
k_StandstillThresh_Kph_f32	0.360000014
k_StandstillTime_Sec_f32	0.0370000005
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-6.6500001
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0

Name	Input Value
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-377.290009
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	361.700012
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	3.3599999
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	69.4000015
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	79.1999969
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.189999998
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-15.3999996
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	0	0	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	4418.97998	4418.97998 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	835.559998	835.559998 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	11150	11150 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-4.20148611	-4.20148611 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	2 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	0	0	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.189999998	0.189999998 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.189999998	0.189999998 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.0540000014	0.0540000014 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	7.63000011	7.63000011 ± 0.0009765625	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 3.26 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	0	
TrqOvlSta_ESCState_State_M_enum	4	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	4418.97998	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	835.559998	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	4409.68018	
TrqOvlSta_HapticState_State_M_enum	0	
TrqOvlSta_Hapticdur_Cnt_M_u16	11150	
TrqOvlSta_Haptictime_Sec_M_f32	425564	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-4.36999989	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0218000002	
TrqOvlSta_LKAFault_Cnt_M_lgc	1	

Name	Input Value
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	2
TrqOvlSta_LKAState_State_M_enum	1
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	11.1000004
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0
k_APAIncludeHaptic_Cnt_lgc	1
k_APAMaxHwTrqTime_Sec_f32	0.200000003
k_APAMaxHwTrq_HwNm_f32	0.720000029
k_APAMaxVehSpd_Kph_f32	70.1999969
k_ESCMaxVehSpd_Kph_f32	31.7000008
k_HapticAmplitude_MtrNm_f32	0.0540000014
k_HapticDuration_Sec_f32	0.135000005
k_HapticFreq_Hz_f32	7.63000011
k_HapticReacttime_Sec_f32	0.143999994
k_LKAMaxVehSpd_Kph_f32	17.1000004
k_LKAMinVehSpd_Kph_f32	15.75
k_MaxHapticReqTime_Sec_f32	0.150000006
k_SWARLimiter_HwDeg_f32	14.8000002
k_ShiftLevRevTime_Sec_f32	0.0370000005
k_StandstillThresh_Kph_f32	0.360000014
k_StandstillTime_Sec_f32	0.0370000005
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-6.6500001
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-375.51001
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	361.730011
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	3.3599999
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1

Name	Input Value		
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0		
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	69.4000015		
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	79.1999969		
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1		
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.189999998		
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-15.3999996		
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1		

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	0	0	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	4418.97998	4418.97998 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	835.559998	835.559998 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	11150	11150 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-4.20148611	-4.20148611 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	2 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	0	0	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.189999998	0.189999998 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.189999998	0.189999998 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.0540000014	0.0540000014 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	7.63000011	7.63000011 ± 0.0009765625	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 3.27 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	0	
TrqOvlSta_ESCState_State_M_enum	4	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	4418.97998	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	835.559998	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	4409.68018	
TrqOvlSta_HapticState_State_M_enum	0	
TrqOvlSta_Hapticdur_Cnt_M_u16	11150	
TrqOvlSta_Haptictime_Sec_M_f32	425564	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-4.36999989	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0218000002	
TrqOvlSta_LKAFault_Cnt_M_lgc	1	
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	
TrqOvlSta_LKAState_State_M_enum	1	
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	11.1000004	
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	
k_APAIncludeHaptic_Cnt_lgc	1	
k_APAMaxHwTrqTime_Sec_f32	0.200000003	
k_APAMaxHwTrq_HwNm_f32	0.720000029	
k_APAMaxVehSpd_Kph_f32	70.1999969	
k_ESCMaxVehSpd_Kph_f32	31.7000008	
k_HapticAmplitude_MtrNm_f32	0.0540000014	
k_HapticDuration_Sec_f32	0.135000005	
k_HapticFreq_Hz_f32	7.63000011	
k_HapticReacttime_Sec_f32	0.143999994	
k_LKAMaxVehSpd_Kph_f32	17.1000004	

Name	Input Value
k_LKAMinVehSpd_Kph_f32	15.75
k_MaxHapticReqTime_Sec_f32	0.150000006
k_SWARLimiter_HwDeg_f32	14.8000002
k_ShiftLevRevTime_Sec_f32	0.0370000005
k_StandstillThresh_Kph_f32	0.360000014
k_StandstillTime_Sec_f32	0.0370000005
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-6.6500001
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-373.730011
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	361.76001
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	3.3599999
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	69.4000015
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	79.1999969
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.189999998
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-15.3999996
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	0	0	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	4418.97998	4418.97998 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	835.559998	835.559998 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	11150	11150 ± 1	✔

Name	Actual Value	Expected Value	Result
TrqOvlSta_Haptictime_Sec_M_f32	425564	425564 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-4.20148611	-4.20148611 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	2 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	0	0	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.189999998	0.189999998 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.189999998	0.189999998 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.0540000014	0.0540000014 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	7.63000011	7.63000011 ± 0.0009765625	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached		1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection		1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached		1	✔

Test Step 3.28 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	0	
TrqOvlSta_ESCState_State_M_enum	4	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	4418.97998	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	835.559998	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	4409.68018	
TrqOvlSta_HapticState_State_M_enum	0	
TrqOvlSta_Hapticdur_Cnt_M_u16	11150	
TrqOvlSta_Haptictime_Sec_M_f32	425564	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-4.36999989	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0218000002	
TrqOvlSta_LKAFault_Cnt_M_lgc	1	
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	
TrqOvlSta_LKAState_State_M_enum	1	
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	11.1000004	
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	
k_APAIncludeHaptic_Cnt_lgc	1	
k_APAMaxHwTrqTime_Sec_f32	0.200000003	
k_APAMaxHwTrq_HwNm_f32	0.720000029	
k_APAMaxVehSpd_Kph_f32	70.1999969	
k_ESCMaxVehSpd_Kph_f32	31.7000008	
k_HapticAmplitude_MtrNm_f32	0.0540000014	
k_HapticDuration_Sec_f32	0.135000005	
k_HapticFreq_Hz_f32	7.63000011	
k_HapticReacttime_Sec_f32	0.143999994	
k_LKAMaxVehSpd_Kph_f32	17.1000004	
k_LKAMinVehSpd_Kph_f32	15.75	
k_MaxHapticReqTime_Sec_f32	0.150000006	
k_SWARLimiter_HwDeg_f32	14.8000002	
k_ShiftLevRevTime_Sec_f32	0.0370000005	
k_StandstillThresh_Kph_f32	0.360000014	
k_StandstillTime_Sec_f32	0.0370000005	
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-6.6500001	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc	

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-371.950012
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	361.790009
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	3.3599999
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	69.4000015
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	79.1999969
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.189999998
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-15.3999996
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	0	0	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	4418.97998	4418.97998 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	835.559998	835.559998 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	11150	11150 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	425564	425564 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-4.20148611	-4.20148611 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	2 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	0	0	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.189999998	0.189999998 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.189999998	0.189999998 ± 0.0009765625	✔

Name	Actual Value	Expected Value	Result
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.0540000014	0.0540000014 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	7.63000011	7.63000011 ± 0.0009765625	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 3.29 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	1
TrqOvlSta_ESCState_State_M_enum	0
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	2088351
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	87934.9609
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	404784
TrqOvlSta_HapticState_State_M_enum	1
TrqOvlSta_Hapticdur_Cnt_M_u16	41000
TrqOvlSta_Haptictime_Sec_M_f32	216790.344
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-3.4000001
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.485000014
TrqOvlSta_LKAFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_u08	3
TrqOvlSta_LKAState_State_M_enum	2
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	43.7999992
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
k_APAIncludeHaptic_Cnt_lgc	0
k_APAMaxHwTrqTime_Sec_f32	0.254999995
k_APAMaxHwTrq_HwNm_f32	9.11999989
k_APAMaxVehSpd_Kph_f32	205.199997
k_ESCMaxVehSpd_Kph_f32	15.6000004
k_HapticAmplitude_MtrNm_f32	0
k_HapticDuration_Sec_f32	1.71000004
k_HapticFreq_Hz_f32	56.973999
k_HapticReacttime_Sec_f32	1.824
k_LKAMaxVehSpd_Kph_f32	216.600006
k_LKAMinVehSpd_Kph_f32	199.5
k_MaxHapticReqTime_Sec_f32	0.209999993
k_SWARLimiter_HwDeg_f32	20.2000008
k_ShiftLevRevTime_Sec_f32	0.0529999994
k_StandstillThresh_Kph_f32	4.55999994
k_StandstillTime_Sec_f32	0.0529999994
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-6.94999981
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-370.170013
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	361.820007
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	-6.0999999
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	61.7999992
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	82.4000015
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.150000006
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	10.1000004
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	0	0	✔
TrqOvlSta_ESCState_State_M_enum	3	3	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	87934.9609	87934.9609 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	41000	41000 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-3.4000001	-3.4000001 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	3	3 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	3	3	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.150000006	0.150000006 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.150000006	0.150000006 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0	0 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	56.973999	56.973999 ± 0.0009765625	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 3.30 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	1
TrqOvlSta_ESCState_State_M_enum	3
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	2020425
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	86335.6016
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	391692
TrqOvlSta_HapticState_State_M_enum	2
TrqOvlSta_Hapticdur_Cnt_M_u16	31000
TrqOvlSta_Haptictime_Sec_M_f32	210780
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-5.1500001
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.430000007
TrqOvlSta_LKAFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	2
TrqOvlSta_LKAState_State_M_enum	0
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	41
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0
k_APAIncludeHaptic_Cnt_lgc	0
k_APAMaxHwTrqTime_Sec_f32	0.232999995
k_APAMaxHwTrq_HwNm_f32	8.72000027
k_APAMaxVehSpd_Kph_f32	196.199997
k_ESCMaxVehSpd_Kph_f32	174.5
k_HapticAmplitude_MtrNm_f32	0.671999991
k_HapticDuration_Sec_f32	1.63499999
k_HapticFreq_Hz_f32	55.9459991
k_HapticReacttime_Sec_f32	1.74399996
k_LKAMaxVehSpd_Kph_f32	220
k_LKAMinVehSpd_Kph_f32	196
k_MaxHapticReqTime_Sec_f32	0.135000005
k_SWARLimiter_HwDeg_f32	19.6000004
k_ShiftLevRevTime_Sec_f32	0.0329999998
k_StandstillThresh_Kph_f32	4.36000013
k_StandstillTime_Sec_f32	0.0329999998
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-7.25
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1

Name	Input Value
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-368.390015
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	361.850006
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	-8.60000038
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	41.2000008
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	61.7999992
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.129999995
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	6.9000001
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	0	0	✔
TrqOvlSta_ESCState_State_M_enum	3	3	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	31000	31000 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	210780	210780 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-5.1500001	-5.1500001 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	2 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	0	0	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.129999995	0.129999995 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.129999995	0.129999995 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.671999991	0.671999991 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	55.9459991	55.9459991 ± 0.0009765625	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 3.31 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	1
TrqOvlSta_ESCState_State_M_enum	0
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	2088351
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	87934.9609
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	404784
TrqOvlSta_HapticState_State_M_enum	1
TrqOvlSta_Hapticdur_Cnt_M_u16	41000
TrqOvlSta_Haptictime_Sec_M_f32	216790.344
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-3.4000001
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.485000014
TrqOvlSta_LKAFault_Cnt_M_lgc	0

Name	Input Value
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_u08	3
TrqOvlSta_LKAState_State_M_enum	2
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	43.7999992
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
k_APAIncludeHaptic_Cnt_lgc	0
k_APAMaxHwTrqTime_Sec_f32	0.254999995
k_APAMaxHwTrq_HwNm_f32	9.11999989
k_APAMaxVehSpd_Kph_f32	205.199997
k_ESCMaxVehSpd_Kph_f32	15.6000004
k_HapticAmplitude_MtrNm_f32	0
k_HapticDuration_Sec_f32	1.71000004
k_HapticFreq_Hz_f32	56.973999
k_HapticReacttime_Sec_f32	1.824
k_LKAMaxVehSpd_Kph_f32	216.600006
k_LKAMinVehSpd_Kph_f32	199.5
k_MaxHapticReqTime_Sec_f32	0.209999993
k_SWARLimiter_HwDeg_f32	20.2000008
k_ShiftLevRevTime_Sec_f32	0.0529999994
k_StandstillThresh_Kph_f32	4.55999994
k_StandstillTime_Sec_f32	0.0529999994
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-6.94999981
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-366.609985
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	361.880005
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	-6.0999999
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1

Name	Input Value		
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1		
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	61.7999992		
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	82.4000015		
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1		
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.150000006		
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	10.1000004		
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1		

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	1	1	✔
TrqOvlSta_ESCState_State_M_enum	3	3	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	87934.9609	87934.9609 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	1	1	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	41000	41000 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-3.4000001	-3.4000001 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	3	3 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	3	3	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.150000006	0.150000006 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	1	1	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	1	1	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	0 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.150000006	0.150000006 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0	0 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	1	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	56.973999	56.973999 ± 0.0009765625	✔

Test Step Call Trace					✔
Actual Function		**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached		1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection		1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached		1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 3.32 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	1	
TrqOvlSta_ESCState_State_M_enum	0	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	2088351	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	404784	
TrqOvlSta_HapticState_State_M_enum	1	
TrqOvlSta_Hapticdur_Cnt_M_u16	41000	
TrqOvlSta_Haptictime_Sec_M_f32	216790.344	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-3.4000001	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.485000014	
TrqOvlSta_LKAFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	
TrqOvlSta_LKAPermFault_Cnt_M_u08	3	
TrqOvlSta_LKAState_State_M_enum	2	
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	43.7999992	
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	
k_APAIncludeHaptic_Cnt_lgc	0	
k_APAMaxHwTrqTime_Sec_f32	0.254999995	
k_APAMaxHwTrq_HwNm_f32	9.11999989	
k_APAMaxVehSpd_Kph_f32	205.199997	
k_ESCMaxVehSpd_Kph_f32	15.6000004	
k_HapticAmplitude_MtrNm_f32	0	
k_HapticDuration_Sec_f32	1.71000004	
k_HapticFreq_Hz_f32	56.973999	
k_HapticReacttime_Sec_f32	1.824	
k_LKAMaxVehSpd_Kph_f32	216.600006	

Name	Input Value
k_LKAMinVehSpd_Kph_f32	199.5
k_MaxHapticReqTime_Sec_f32	0.209999993
k_SWARLimiter_HwDeg_f32	20.2000008
k_ShiftLevRevTime_Sec_f32	0.0529999994
k_StandstillThresh_Kph_f32	4.55999994
k_StandstillTime_Sec_f32	0.0529999994
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-6.94999981
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-364.829987
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	361.910004
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	-6.0999999
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	61.7999992
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	82.4000015
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.150000006
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	10.1000004
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	1	1	✔
TrqOvlSta_ESCState_State_M_enum	3	3	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0.00200000009	0.00200000009 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	1	1	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	41000	41000 ± 1	✔

Name	Actual Value	Expected Value	Result
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✓
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-3.4000001	-3.4000001 ± 0.000009	✓
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✓
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✓
TrqOvlSta_LKAPermFault_Cnt_M_u08	3	3 ± 1	✓
TrqOvlSta_LKAState_State_M_enum	3	3	✓
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.150000006	0.150000006 ± 0.0009765625	✓
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✓
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✓
tgt_TrqOvlSta_Per1_APAState_State_enum.value	1	1	✓
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✓
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	1	1	✓
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	3	3	✓
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✓
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.150000006	0.150000006 ± 0.0009765625	✓
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0	0 ± 0.0009765625	✓
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	1	1 ± 1	✓
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	56.973999	56.973999 ± 0.0009765625	✓

Test Step Call Trace					✓
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✓	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✓	
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✓	

Test Step 3.33 (Repeat Count = 1)		✓
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	1	
TrqOvlSta_ESCState_State_M_enum	1	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	
TrqOvlSta_HapticState_State_M_enum	0	
TrqOvlSta_Hapticdur_Cnt_M_u16	44450	
TrqOvlSta_Haptictime_Sec_M_f32	0	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-1.64999998	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.419	
TrqOvlSta_LKAFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_u08	1	
TrqOvlSta_LKAState_State_M_enum	0	
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	1.39999998	
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	
k_APAIncludeHaptic_Cnt_lgc	1	
k_APAMaxHwTrqTime_Sec_f32	0.601666689	
k_APAMaxHwTrq_HwNm_f32	0	
k_APAMaxVehSpd_Kph_f32	138.600006	
k_ESCMaxVehSpd_Kph_f32	12	
k_HapticAmplitude_MtrNm_f32	0.462000012	
k_HapticDuration_Sec_f32	1.15499997	
k_HapticFreq_Hz_f32	32.3019981	
k_HapticReacttime_Sec_f32	1.23199999	
k_LKAMaxVehSpd_Kph_f32	146.300003	
k_LKAMinVehSpd_Kph_f32	100	
k_MaxHapticReqTime_Sec_f32	0.600000024	
k_SWARLimiter_HwDeg_f32	0	
k_ShiftLevRevTime_Sec_f32	0.308999985	
k_StandstillThresh_Kph_f32	0	
k_StandstillTime_Sec_f32	0.308999985	
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	5	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc	

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-363.049988
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	361.940002
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	8.10000038
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	1
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	1
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.200000003
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	0
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	1	1	✔
TrqOvlSta_ESCState_State_M_enum	2	2	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0.00200000009	0.00200000009 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0.00200000009	0.00200000009 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	44450	44450 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	2.43524981	2.43525004 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	2 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	0	0	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.200000003	0.200000003 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	1	1	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	2	2	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.200000003	0.200000003 ± 0.0009765625	✔

Name	Actual Value	Expected Value	Result
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.462000012	0.462000012 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	32.3019981	32.3019981 ± 0.0009765625	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 3.34 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	1	
TrqOvlSta_ESCState_State_M_enum	1	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	
TrqOvlSta_HapticState_State_M_enum	0	
TrqOvlSta_Hapticdur_Cnt_M_u16	44450	
TrqOvlSta_Haptictime_Sec_M_f32	0	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-1.64999998	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.419	
TrqOvlSta_LKAFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_u08	1	
TrqOvlSta_LKAState_State_M_enum	0	
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	1.39999998	
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	
k_APAIncludeHaptic_Cnt_lgc	1	
k_APAMaxHwTrqTime_Sec_f32	0.601666689	
k_APAMaxHwTrq_HwNm_f32	0	
k_APAMaxVehSpd_Kph_f32	138.600006	
k_ESCMaxVehSpd_Kph_f32	12	
k_HapticAmplitude_MtrNm_f32	0.462000012	
k_HapticDuration_Sec_f32	1.15499997	
k_HapticFreq_Hz_f32	32.3019981	
k_HapticReacttime_Sec_f32	1.23199999	
k_LKAMaxVehSpd_Kph_f32	146.300003	
k_LKAMinVehSpd_Kph_f32	100	
k_MaxHapticReqTime_Sec_f32	0.600000024	
k_SWARLimiter_HwDeg_f32	0	
k_ShiftLevRevTime_Sec_f32	0.308999985	
k_StandstillThresh_Kph_f32	0	
k_StandstillTime_Sec_f32	0.308999985	
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	5	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum	

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-361.269989
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	361.970001
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	8.10000038
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	1
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	1
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.200000003
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	0
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	1	1	✔
TrqOvlSta_ESCState_State_M_enum	2	2	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0.00200000009	0.00200000009 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0.00200000009	0.00200000009 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	44450	44450 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	2.43524981	2.43525004 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	2 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	0	0	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.200000003	0.200000003 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	1	1	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	2	2	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.200000003	0.200000003 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.462000012	0.462000012 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	32.3019981	32.3019981 ± 0.0009765625	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 3.35 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	1
TrqOvlSta_ESCState_State_M_enum	1
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0
TrqOvlSta_HapticState_State_M_enum	0
TrqOvlSta_Hapticdur_Cnt_M_u16	44450
TrqOvlSta_Haptictime_Sec_M_f32	0
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-1.64999998
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.419
TrqOvlSta_LKAFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	1
TrqOvlSta_LKAState_State_M_enum	0
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	1.39999998
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0
k_APAIncludeHaptic_Cnt_lgc	1
k_APAMaxHwTrqTime_Sec_f32	0.601666689
k_APAMaxHwTrq_HwNm_f32	0
k_APAMaxVehSpd_Kph_f32	138.600006
k_ESCMaxVehSpd_Kph_f32	12
k_HapticAmplitude_MtrNm_f32	0.462000012
k_HapticDuration_Sec_f32	1.15499997
k_HapticFreq_Hz_f32	32.3019981
k_HapticReacttime_Sec_f32	1.23199999
k_LKAMaxVehSpd_Kph_f32	146.300003
k_LKAMinVehSpd_Kph_f32	100
k_MaxHapticReqTime_Sec_f32	0.600000024
k_SWARLimiter_HwDeg_f32	0
k_ShiftLevRevTime_Sec_f32	0.308999985
k_StandstillThresh_Kph_f32	0
k_StandstillTime_Sec_f32	0.308999985
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	5
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0

Name	Input Value
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-390.01001
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	362
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	8.10000038
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	1
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	1
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.200000003
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	0
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	1	1	✔
TrqOvlSta_ESCState_State_M_enum	2	2	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0.00200000009	0.00200000009 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0.00200000009	0.00200000009 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	44450	44450 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0.00200000009	0.00200000009 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	2.43524981	2.43525004 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	2 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	0	0	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.200000003	0.200000003 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	1	1	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	2	2	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.200000003	0.200000003 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.462000012	0.462000012 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	32.3019981	32.3019981 ± 0.0009765625	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached		1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection		1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached		1	✔

Test Step 3.36 (Repeat Count = 1)	✔
Name	**Input Value**
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	1
TrqOvlSta_ESCState_State_M_enum	1
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	1
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	1
TrqOvlSta_HapticState_State_M_enum	0
TrqOvlSta_Hapticdur_Cnt_M_u16	44450
TrqOvlSta_Haptictime_Sec_M_f32	0
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-1.64999998
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.419
TrqOvlSta_LKAFault_Cnt_M_lgc	0

Name	Input Value
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	1
TrqOvlSta_LKAState_State_M_enum	0
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	1.39999998
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
k_APAIncludeHaptic_Cnt_lgc	1
k_APAMaxHwTrqTime_Sec_f32	0.601666689
k_APAMaxHwTrq_HwNm_f32	0
k_APAMaxVehSpd_Kph_f32	138.600006
k_ESCMaxVehSpd_Kph_f32	12
k_HapticAmplitude_MtrNm_f32	0.462000012
k_HapticDuration_Sec_f32	1.15499997
k_HapticFreq_Hz_f32	32.3019981
k_HapticReacttime_Sec_f32	1.23199999
k_LKAMaxVehSpd_Kph_f32	146.300003
k_LKAMinVehSpd_Kph_f32	100
k_MaxHapticReqTime_Sec_f32	0.600000024
k_SWARLimiter_HwDeg_f32	0
k_ShiftLevRevTime_Sec_f32	0.308999985
k_StandstillThresh_Kph_f32	0
k_StandstillTime_Sec_f32	0.308999985
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	5
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-388.230011
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	362.029999
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	8.10000038
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0

Name	Input Value		
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1		
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	1		
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	1		
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1		
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.200000003		
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	0		
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1		

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	1	1	✔
TrqOvlSta_ESCState_State_M_enum	2	2	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0.00200000009	0.00200000009 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	1	1 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	44450	44450 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0.00200000009	0.00200000009 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	2.43524981	2.43525004 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	2 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	0	0	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.200000003	0.200000003 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	1	1	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	2	2	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.200000003	0.200000003 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.462000012	0.462000012 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	1 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	32.3019981	32.3019981 ± 0.0009765625	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached		1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection		1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached		1	✔

Test Step 3.37 (Repeat Count = 1)			✔
Name	**Input Value**		
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign		
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta		
TrqOvlSta_APAState_State_M_enum	1		
TrqOvlSta_ESCState_State_M_enum	1		
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0		
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	1		
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	1		
TrqOvlSta_HapticState_State_M_enum	1		
TrqOvlSta_Hapticdur_Cnt_M_u16	44450		
TrqOvlSta_Haptictime_Sec_M_f32	0		
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-1.64999998		
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.419		
TrqOvlSta_LKAFault_Cnt_M_lgc	0		
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0		
TrqOvlSta_LKAPermFault_Cnt_M_u08	1		
TrqOvlSta_LKAState_State_M_enum	0		
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	1.39999998		
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1		
k_APAIncludeHaptic_Cnt_lgc	1		
k_APAMaxHwTrqTime_Sec_f32	0.601666689		
k_APAMaxHwTrq_HwNm_f32	0		
k_APAMaxVehSpd_Kph_f32	138.600006		
k_ESCMaxVehSpd_Kph_f32	12		
k_HapticAmplitude_MtrNm_f32	0.462000012		
k_HapticDuration_Sec_f32	1.15499997		
k_HapticFreq_Hz_f32	32.3019981		
k_HapticReacttime_Sec_f32	1.23199999		
k_LKAMaxVehSpd_Kph_f32	146.300003		

Name	Input Value	
k_LKAMinVehSpd_Kph_f32	100	
k_MaxHapticReqTime_Sec_f32	0.600000024	
k_SWARLimiter_HwDeg_f32	0	
k_ShiftLevRevTime_Sec_f32	0.308999985	
k_StandstillThresh_Kph_f32	0	
k_StandstillTime_Sec_f32	0.308999985	
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	5	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32	
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0	
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0	
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1	
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1	
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-386.450012	
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1	
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	362.059998	
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0	
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1	
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1	
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1	
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1	
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1	
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1	
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	8.10000038	
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1	
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0	
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1	
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	1	
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	1	
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1	
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.200000003	
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	0	
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1	

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	1	1	✔
TrqOvlSta_ESCState_State_M_enum	2	2	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0.00200000009	0.00200000009 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	1	1 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	0	0 ± 1	✔

Name	Actual Value	Expected Value	Result
TrqOvlSta_Haptictime_Sec_M_f32	0.00200000009	0.00200000009 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-1.64999998	-1.64999998 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	2 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	0	0	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.200000003	0.200000003 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	1	1	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	2	2	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.200000003	0.200000003 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.462000012	0.462000012 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	32.3019981	32.3019981 ± 0.0009765625	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached		1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection		1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached		1	✔

Test Step 3.38 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	1	
TrqOvlSta_ESCState_State_M_enum	1	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	1	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	1	
TrqOvlSta_HapticState_State_M_enum	1	
TrqOvlSta_Hapticdur_Cnt_M_u16	0	
TrqOvlSta_Haptictime_Sec_M_f32	0	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-1.64999998	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.419	
TrqOvlSta_LKAFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_u08	1	
TrqOvlSta_LKAState_State_M_enum	0	
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	1.39999998	
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	
k_APAIncludeHaptic_Cnt_lgc	1	
k_APAMaxHwTrqTime_Sec_f32	0.601666689	
k_APAMaxHwTrq_HwNm_f32	0	
k_APAMaxVehSpd_Kph_f32	138.600006	
k_ESCMaxVehSpd_Kph_f32	12	
k_HapticAmplitude_MtrNm_f32	0.462000012	
k_HapticDuration_Sec_f32	1.15499997	
k_HapticFreq_Hz_f32	32.3019981	
k_HapticReacttime_Sec_f32	1.23199999	
k_LKAMaxVehSpd_Kph_f32	146.300003	
k_LKAMinVehSpd_Kph_f32	100	
k_MaxHapticReqTime_Sec_f32	0.600000024	
k_SWARLimiter_HwDeg_f32	0	
k_ShiftLevRevTime_Sec_f32	0.308999985	
k_StandstillThresh_Kph_f32	0	
k_StandstillTime_Sec_f32	0.308999985	
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	5	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc	

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-384.670013
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	362.089996
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	8.10000038
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	1
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	1
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.200000003
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	0
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	1	1	✔
TrqOvlSta_ESCState_State_M_enum	2	2	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0.00200000009	0.00200000009 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	1	1 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	0	1 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0.00200000009	0.00200000009 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-1.64999998	-1.64999998 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	2 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	0	0	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.200000003	0.200000003 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	1	1	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	2	2	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.200000003	0.200000003 ± 0.0009765625	✔

Name	Actual Value	Expected Value	Result
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.462000012	0.462000012 ± 0.0009765625	✓
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	1 ± 1	✓
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	32.3019981	32.3019981 ± 0.0009765625	✓

Test Step Call Trace ✓

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✓
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✓
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✓

Test Step 3.39 (Repeat Count = 1) ✓

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	1
TrqOvlSta_ESCState_State_M_enum	1
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0
TrqOvlSta_HapticState_State_M_enum	1
TrqOvlSta_Hapticdur_Cnt_M_u16	0
TrqOvlSta_Haptictime_Sec_M_f32	0
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-1.64999998
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.419
TrqOvlSta_LKAFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	1
TrqOvlSta_LKAState_State_M_enum	0
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	1.39999998
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
k_APAIncludeHaptic_Cnt_lgc	1
k_APAMaxHwTrqTime_Sec_f32	0.601666689
k_APAMaxHwTrq_HwNm_f32	0
k_APAMaxVehSpd_Kph_f32	138.600006
k_ESCMaxVehSpd_Kph_f32	12
k_HapticAmplitude_MtrNm_f32	0.462000012
k_HapticDuration_Sec_f32	1.15499997
k_HapticFreq_Hz_f32	32.3019981
k_HapticReacttime_Sec_f32	1.23199999
k_LKAMaxVehSpd_Kph_f32	146.300003
k_LKAMinVehSpd_Kph_f32	100
k_MaxHapticReqTime_Sec_f32	0.600000024
k_SWARLimiter_HwDeg_f32	0
k_ShiftLevRevTime_Sec_f32	0.308999985
k_StandstillThresh_Kph_f32	0
k_StandstillTime_Sec_f32	0.308999985
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	5
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-382.890015
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	362.119995
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	8.10000038
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	1
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	1
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.200000003
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	0
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	1	1	✔
TrqOvlSta_ESCState_State_M_enum	2	2	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0.00200000009	0.00200000009 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0.00200000009	0.00200000009 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	0	0 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0.00200000009	0.00200000009 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-1.64999998	-1.64999998 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	2 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	0	0	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.200000003	0.200000003 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	1	1	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	2	2	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.200000003	0.200000003 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.462000012	0.462000012 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	32.3019981	32.3019981 ± 0.0009765625	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached		1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection		1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached		1	✔

Test Step 3.40 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	2
TrqOvlSta_ESCState_State_M_enum	1
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	1952499
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	84736.2422
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	378600
TrqOvlSta_HapticState_State_M_enum	1
TrqOvlSta_Hapticdur_Cnt_M_u16	33000
TrqOvlSta_Haptictime_Sec_M_f32	204770
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-4.80000019
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.441000015
TrqOvlSta_LKAFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	3
TrqOvlSta_LKAState_State_M_enum	0
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	38.2000008
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
k_APAIncludeHaptic_Cnt_lgc	0
k_APAMaxHwTrqTime_Sec_f32	0.210999995
k_APAMaxHwTrq_HwNm_f32	8.80000019
k_APAMaxVehSpd_Kph_f32	198
k_ESCMaxVehSpd_Kph_f32	164.300003
k_HapticAmplitude_MtrNm_f32	0.660000026
k_HapticDuration_Sec_f32	1.64999998
k_HapticFreq_Hz_f32	54.9179993
k_HapticReacttime_Sec_f32	1.75999999
k_LKAMaxVehSpd_Kph_f32	209
k_LKAMinVehSpd_Kph_f32	120.220001
k_MaxHapticReqTime_Sec_f32	0.150000006
k_SWARLimiter_HwDeg_f32	19
k_ShiftLevRevTime_Sec_f32	0.0370000005
k_StandstillThresh_Kph_f32	4.4000001
k_StandstillTime_Sec_f32	0.0370000005
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-7.55000019
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0

Name	Input Value
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-361.529999
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	362.480011
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	-8.10000038
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	20.6000004
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	41.2000008
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.109999999
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	3.70000005
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	0	0	✓
TrqOvlSta_ESCState_State_M_enum	3	3	✓
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✓
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	84736.2422	84736.2422 ± 1	✓
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✓
TrqOvlSta_HapticState_State_M_enum	1	1	✓
TrqOvlSta_Hapticdur_Cnt_M_u16	33000	33000 ± 1	✓
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✓
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-4.80000019	-4.80000019 ± 0.000009	✓
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✓
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✓
TrqOvlSta_LKAPermFault_Cnt_M_u08	3	3 ± 1	✓
TrqOvlSta_LKAState_State_M_enum	0	0	✓
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.109999999	0.109999999 ± 0.0009765625	✓
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✓
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✓
tgt_TrqOvlSta_Per1_APAState_State_enum.value	0	0	✓
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✓
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	1	1	✓
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	0	0	✓
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✓
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.109999999	0.109999999 ± 0.0009765625	✓
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.660000026	0.660000026 ± 0.0009765625	✓
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	1	1 ± 1	✓
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	54.9179993	54.9179993 ± 0.0009765625	✓

Test Step Call Trace ✓

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✓
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✓
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✓

Test Step 3.41 (Repeat Count = 1) ✓

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	2
TrqOvlSta_ESCState_State_M_enum	1
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	1952499
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	84736.2422
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	378600
TrqOvlSta_HapticState_State_M_enum	1
TrqOvlSta_Hapticdur_Cnt_M_u16	33000
TrqOvlSta_Haptictime_Sec_M_f32	204770
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-4.80000019
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.441000015
TrqOvlSta_LKAFault_Cnt_M_lgc	1

Name	Input Value
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	3
TrqOvlSta_LKAState_State_M_enum	0
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	38.2000008
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
k_APAIncludeHaptic_Cnt_lgc	0
k_APAMaxHwTrqTime_Sec_f32	0.210999995
k_APAMaxHwTrq_HwNm_f32	0
k_APAMaxVehSpd_Kph_f32	198
k_ESCMaxVehSpd_Kph_f32	164.300003
k_HapticAmplitude_MtrNm_f32	0.660000026
k_HapticDuration_Sec_f32	1.64999998
k_HapticFreq_Hz_f32	54.9179993
k_HapticReacttime_Sec_f32	1.75999999
k_LKAMaxVehSpd_Kph_f32	209
k_LKAMinVehSpd_Kph_f32	120.220001
k_MaxHapticReqTime_Sec_f32	0.150000006
k_SWARLimiter_HwDeg_f32	19
k_ShiftLevRevTime_Sec_f32	0.0370000005
k_StandstillThresh_Kph_f32	4.4000001
k_StandstillTime_Sec_f32	0.0370000005
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-7.55000019
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-389.75
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	362.51001
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	-8.10000038
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0

Name	Input Value		
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1		
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	20.6000004		
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	41.2000008		
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1		
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.109999999		
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	3.70000005		
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1		

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	0	0	✔
TrqOvlSta_ESCState_State_M_enum	3	3	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	1952499	1952499 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	84736.2422	84736.2422 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	1	1	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	33000	33000 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-4.80000019	-4.80000019 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	3	3 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	0	0	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.109999999	0.109999999 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	1	1	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.109999999	0.109999999 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.660000026	0.660000026 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	54.9179993	54.9179993 ± 0.0009765625	✔

Test Step Call Trace					✔
Actual Function		**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached		1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection		1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached		1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 3.42 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	2	
TrqOvlSta_ESCState_State_M_enum	1	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	1952499	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	84736.2422	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	378600	
TrqOvlSta_HapticState_State_M_enum	1	
TrqOvlSta_Hapticdur_Cnt_M_u16	33000	
TrqOvlSta_Haptictime_Sec_M_f32	204770	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-4.80000019	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.441000015	
TrqOvlSta_LKAFault_Cnt_M_lgc	1	
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_u08	3	
TrqOvlSta_LKAState_State_M_enum	0	
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	38.2000008	
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	
k_APAIncludeHaptic_Cnt_lgc	0	
k_APAMaxHwTrqTime_Sec_f32	0.210999995	
k_APAMaxHwTrq_HwNm_f32	8.80000019	
k_APAMaxVehSpd_Kph_f32	198	
k_ESCMaxVehSpd_Kph_f32	164.300003	
k_HapticAmplitude_MtrNm_f32	0.660000026	
k_HapticDuration_Sec_f32	1.64999998	
k_HapticFreq_Hz_f32	54.9179993	
k_HapticReacttime_Sec_f32	1.75999999	
k_LKAMaxVehSpd_Kph_f32	209	

Name	Input Value
k_LKAMinVehSpd_Kph_f32	120.220001
k_MaxHapticReqTime_Sec_f32	0.150000006
k_SWARLimiter_HwDeg_f32	19
k_ShiftLevRevTime_Sec_f32	0.0370000005
k_StandstillThresh_Kph_f32	4.4000001
k_StandstillTime_Sec_f32	0.0370000005
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-7.55000019
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-387.970001
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	362.540009
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	-8.10000038
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	20.6000004
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	41.2000008
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.109999999
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	3.70000005
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	0	0	✔
TrqOvlSta_ESCState_State_M_enum	3	3	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	84736.2422	84736.2422 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	1	1	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	33000	33000 ± 1	✔

Name	Actual Value	Expected Value	Result
TrqOvlSta_Haptictime_Sec_M_f32	204770	204770 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-4.80000019	-4.80000019 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	3	3 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	0	0	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.109999999	0.109999999 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	1	1	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.109999999	0.109999999 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.660000026	0.660000026 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	54.9179993	54.9179993 ± 0.0009765625	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached		1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection		1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached		1	✔

Test Step 3.43 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	2	
TrqOvlSta_ESCState_State_M_enum	1	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	1952499	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	84736.2422	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	378600	
TrqOvlSta_HapticState_State_M_enum	1	
TrqOvlSta_Hapticdur_Cnt_M_u16	33000	
TrqOvlSta_Haptictime_Sec_M_f32	204770	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-4.80000019	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.441000015	
TrqOvlSta_LKAFault_Cnt_M_lgc	1	
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_u08	3	
TrqOvlSta_LKAState_State_M_enum	0	
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	38.2000008	
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	
k_APAIncludeHaptic_Cnt_lgc	0	
k_APAMaxHwTrqTime_Sec_f32	0.210999995	
k_APAMaxHwTrq_HwNm_f32	8.80000019	
k_APAMaxVehSpd_Kph_f32	198	
k_ESCMaxVehSpd_Kph_f32	164.300003	
k_HapticAmplitude_MtrNm_f32	0.660000026	
k_HapticDuration_Sec_f32	1.64999998	
k_HapticFreq_Hz_f32	54.9179993	
k_HapticReacttime_Sec_f32	1.75999999	
k_LKAMaxVehSpd_Kph_f32	209	
k_LKAMinVehSpd_Kph_f32	120.220001	
k_MaxHapticReqTime_Sec_f32	0.150000006	
k_SWARLimiter_HwDeg_f32	19	
k_ShiftLevRevTime_Sec_f32	0.0370000005	
k_StandstillThresh_Kph_f32	4.4000001	
k_StandstillTime_Sec_f32	0.0370000005	
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-7.55000019	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc	

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-386.190002
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	362.570007
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	-8.10000038
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	20.6000004
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	41.2000008
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.109999999
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	3.70000005
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	0	0	✔
TrqOvlSta_ESCState_State_M_enum	3	3	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	84736.2422	84736.2422 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	1	1	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	33000	33000 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-4.80000019	-4.80000019 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	3	3 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	0	0	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.109999999	0.109999999 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	1	1	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.109999999	0.109999999 ± 0.0009765625	✔

Name	Actual Value	Expected Value	Result
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.660000026	0.660000026 ± 0.0009765625	✓
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	1	1 ± 1	✓
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	54.9179993	54.9179993 ± 0.0009765625	✓

Test Step Call Trace					✓
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✓	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✓	
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✓	

Test Step 3.44 (Repeat Count = 1)		✓
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	0	
TrqOvlSta_ESCState_State_M_enum	0	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	1884573	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	83136.8828	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	365508	
TrqOvlSta_HapticState_State_M_enum	0	
TrqOvlSta_Hapticdur_Cnt_M_u16	29000	
TrqOvlSta_Haptictime_Sec_M_f32	198760.641	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-5.5	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.419	
TrqOvlSta_LKAFault_Cnt_M_lgc	1	
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_u08	0	
TrqOvlSta_LKAState_State_M_enum	0	
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	57.7999992	
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	
k_APAIncludeHaptic_Cnt_lgc	0	
k_APAMaxHwTrqTime_Sec_f32	0.36500001	
k_APAMaxHwTrq_HwNm_f32	8.64000034	
k_APAMaxVehSpd_Kph_f32	194.399994	
k_ESCMaxVehSpd_Kph_f32	52.5999985	
k_HapticAmplitude_MtrNm_f32	0.648000002	
k_HapticDuration_Sec_f32	1.62	
k_HapticFreq_Hz_f32	3	
k_HapticReacttime_Sec_f32	1.72800004	
k_LKAMaxVehSpd_Kph_f32	205.199997	
k_LKAMinVehSpd_Kph_f32	0	
k_MaxHapticReqTime_Sec_f32	0.119999997	
k_SWARLimiter_HwDeg_f32	23.2000008	
k_ShiftLevRevTime_Sec_f32	0.0289999992	
k_StandstillThresh_Kph_f32	4.32000017	
k_StandstillTime_Sec_f32	0.0289999992	
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	1.10000002	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum	

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-384.410004
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	362.600006
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	8.69999981
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	164.800003
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	185.399994
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.150000006
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	26.1000004
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	3	3	✔
TrqOvlSta_ESCState_State_M_enum	3	3	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	83136.8828	83136.8828 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	29000	29000 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	198760.641	198760.641 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0.449800014	0.449800014 ± 0.0000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	0	0 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	2	2	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.150000006	0.150000006 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	2	2	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.150000006	0.150000006 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.648000002	0.648000002 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	3	3 ± 0.0009765625	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 3.45 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	0
TrqOvlSta_ESCState_State_M_enum	0
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	1884573
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	83136.8828
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	365508
TrqOvlSta_HapticState_State_M_enum	0
TrqOvlSta_Hapticdur_Cnt_M_u16	29000
TrqOvlSta_Haptictime_Sec_M_f32	198760.641
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-5.5
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.419
TrqOvlSta_LKAFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	0
TrqOvlSta_LKAState_State_M_enum	0
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	57.7999992
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
k_APAIncludeHaptic_Cnt_lgc	0
k_APAMaxHwTrqTime_Sec_f32	0.36500001
k_APAMaxHwTrq_HwNm_f32	8.64000034
k_APAMaxVehSpd_Kph_f32	194.399994
k_ESCMaxVehSpd_Kph_f32	52.5999985
k_HapticAmplitude_MtrNm_f32	0.648000002
k_HapticDuration_Sec_f32	1.62
k_HapticFreq_Hz_f32	3
k_HapticReacttime_Sec_f32	1.72800004
k_LKAMaxVehSpd_Kph_f32	205.199997
k_LKAMinVehSpd_Kph_f32	0
k_MaxHapticReqTime_Sec_f32	0.119999997
k_SWARLimiter_HwDeg_f32	23.2000008
k_ShiftLevRevTime_Sec_f32	0.0289999992
k_StandstillThresh_Kph_f32	4.32000017
k_StandstillTime_Sec_f32	0.0289999992
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	1.10000002
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1

Name	Input Value
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-382.630005
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	362.630005
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	8.69999981
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	164.800003
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	185.399994
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.150000006
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	26.1000004
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	3	3	✔
TrqOvlSta_ESCState_State_M_enum	3	3	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	83136.8828	83136.8828 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	29000	29000 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	198760.641	198760.641 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0.449800014	0.449800014 ± 0.0000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	0	0 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	2	2	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.150000006	0.150000006 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	2	2	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.150000006	0.150000006 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.648000002	0.648000002 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	3	3 ± 0.0009765625	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 3.46 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	0	
TrqOvlSta_ESCState_State_M_enum	0	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	1884573	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	83136.8828	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	365508	
TrqOvlSta_HapticState_State_M_enum	0	
TrqOvlSta_Hapticdur_Cnt_M_u16	29000	
TrqOvlSta_Haptictime_Sec_M_f32	198760.641	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-5.5	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.419	
TrqOvlSta_LKAFault_Cnt_M_lgc	1	

Name	Input Value
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	0
TrqOvlSta_LKAState_State_M_enum	0
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	57.7999992
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
k_APAIncludeHaptic_Cnt_lgc	0
k_APAMaxHwTrqTime_Sec_f32	0.36500001
k_APAMaxHwTrq_HwNm_f32	8.64000034
k_APAMaxVehSpd_Kph_f32	194.399994
k_ESCMaxVehSpd_Kph_f32	52.5999985
k_HapticAmplitude_MtrNm_f32	0.648000002
k_HapticDuration_Sec_f32	1.62
k_HapticFreq_Hz_f32	3
k_HapticReacttime_Sec_f32	1.72800004
k_LKAMaxVehSpd_Kph_f32	205.199997
k_LKAMinVehSpd_Kph_f32	0
k_MaxHapticReqTime_Sec_f32	0.119999997
k_SWARLimiter_HwDeg_f32	23.2000008
k_ShiftLevRevTime_Sec_f32	0.0289999992
k_StandstillThresh_Kph_f32	4.32000017
k_StandstillTime_Sec_f32	0.0289999992
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	1.10000002
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-380.850006
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	362.660004
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	8.69999981
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0

Name	Input Value
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	164.800003
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	185.399994
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.150000006
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	26.1000004
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	3	3	✔
TrqOvlSta_ESCState_State_M_enum	3	3	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	83136.8828	83136.8828 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	29000	29000 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	198760.641	198760.641 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0.449800014	0.449800014 ± 0.0000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	0	0 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	1	1	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.150000006	0.150000006 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	1	1	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.150000006	0.150000006 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.648000002	0.648000002 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	3	3 ± 0.0009765625	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔	
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔	

Test Step 3.47 (Repeat Count = 1)	✔
Name	**Input Value**
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	0
TrqOvlSta_ESCState_State_M_enum	1
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	1884573
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	83136.8828
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	365508
TrqOvlSta_HapticState_State_M_enum	0
TrqOvlSta_Hapticdur_Cnt_M_u16	29000
TrqOvlSta_Haptictime_Sec_M_f32	198760.641
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-5.5
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.419
TrqOvlSta_LKAFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	0
TrqOvlSta_LKAState_State_M_enum	0
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	57.7999992
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
k_APAIncludeHaptic_Cnt_lgc	0
k_APAMaxHwTrqTime_Sec_f32	0.36500001
k_APAMaxHwTrq_HwNm_f32	8.64000034
k_APAMaxVehSpd_Kph_f32	194.399994
k_ESCMaxVehSpd_Kph_f32	52.5999985
k_HapticAmplitude_MtrNm_f32	0.648000002
k_HapticDuration_Sec_f32	1.62
k_HapticFreq_Hz_f32	3
k_HapticReacttime_Sec_f32	1.72800004
k_LKAMaxVehSpd_Kph_f32	205.199997

Name	Input Value
k_LKAMinVehSpd_Kph_f32	0
k_MaxHapticReqTime_Sec_f32	0.119999997
k_SWARLimiter_HwDeg_f32	23.2000008
k_ShiftLevRevTime_Sec_f32	0.0289999992
k_StandstillThresh_Kph_f32	4.32000017
k_StandstillTime_Sec_f32	0.0289999992
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	1.10000002
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-379.070007
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	362.690002
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	8.69999981
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	164.800003
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	185.399994
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.150000006
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	26.1000004
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	3	3	✓
TrqOvlSta_ESCState_State_M_enum	3	3	✓
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✓
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	83136.8828	83136.8828 ± 1	✓
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✓
TrqOvlSta_HapticState_State_M_enum	0	0	✓
TrqOvlSta_Hapticdur_Cnt_M_u16	29000	29000 ± 1	✓

TEST DETAILS REPORT

TrqOvlSta_Per1

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Name	Actual Value	Expected Value	Result
TrqOvlSta_Haptictime_Sec_M_f32	198760.641	198760.641 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0.449800014	0.449800014 ± 0.0000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	0	0 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	2	2	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.150000006	0.150000006 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	2	2	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.150000006	0.150000006 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.648000002	0.648000002 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	3	3 ± 0.0009765625	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 3.48 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	0
TrqOvlSta_ESCState_State_M_enum	2
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	1884573
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	83136.8828
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	365508
TrqOvlSta_HapticState_State_M_enum	0
TrqOvlSta_Hapticdur_Cnt_M_u16	29000
TrqOvlSta_Haptictime_Sec_M_f32	198760.641
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-5.5
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.419
TrqOvlSta_LKAFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	0
TrqOvlSta_LKAState_State_M_enum	0
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	57.7999992
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
k_APAIncludeHaptic_Cnt_lgc	0
k_APAMaxHwTrqTime_Sec_f32	0.36500001
k_APAMaxHwTrq_HwNm_f32	8.64000034
k_APAMaxVehSpd_Kph_f32	194.399994
k_ESCMaxVehSpd_Kph_f32	52.5999985
k_HapticAmplitude_MtrNm_f32	0.648000002
k_HapticDuration_Sec_f32	1.62
k_HapticFreq_Hz_f32	3
k_HapticReacttime_Sec_f32	1.72800004
k_LKAMaxVehSpd_Kph_f32	205.199997
k_LKAMinVehSpd_Kph_f32	0
k_MaxHapticReqTime_Sec_f32	0.119999997
k_SWARLimiter_HwDeg_f32	23.2000008
k_ShiftLevRevTime_Sec_f32	0.0289999992
k_StandstillThresh_Kph_f32	4.32000017
k_StandstillTime_Sec_f32	0.0289999992
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	1.10000002
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-377.290009
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	362.720001
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	8.69999981
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	164.800003
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	185.399994
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.150000006
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	26.1000004
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	3	3	✔
TrqOvlSta_ESCState_State_M_enum	3	3	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	83136.8828	83136.8828 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	29000	29000 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	198760.641	198760.641 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0.449800014	0.449800014 ± 0.0000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	0	0 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	2	2	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.150000006	0.150000006 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	2	2	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.150000006	0.150000006 ± 0.0009765625	✔

Name	Actual Value	Expected Value	Result
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.648000002	0.648000002 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	3	3 ± 0.0009765625	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔	
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔	

Test Step 3.49 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	0	
TrqOvlSta_ESCState_State_M_enum	4	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	4418.97998	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	835.559998	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	4409.68018	
TrqOvlSta_HapticState_State_M_enum	0	
TrqOvlSta_Hapticdur_Cnt_M_u16	11150	
TrqOvlSta_Haptictime_Sec_M_f32	425564	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-4.36999989	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0218000002	
TrqOvlSta_LKAFault_Cnt_M_lgc	1	
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	
TrqOvlSta_LKAState_State_M_enum	1	
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	11.1000004	
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	
k_APAIncludeHaptic_Cnt_lgc	1	
k_APAMaxHwTrqTime_Sec_f32	0.200000003	
k_APAMaxHwTrq_HwNm_f32	0.720000029	
k_APAMaxVehSpd_Kph_f32	16.2000008	
k_ESCMaxVehSpd_Kph_f32	31.7000008	
k_HapticAmplitude_MtrNm_f32	0.0540000014	
k_HapticDuration_Sec_f32	0.135000005	
k_HapticFreq_Hz_f32	7.63000011	
k_HapticReacttime_Sec_f32	0.143999994	
k_LKAMaxVehSpd_Kph_f32	77.0999985	
k_LKAMinVehSpd_Kph_f32	15.75	
k_MaxHapticReqTime_Sec_f32	0.150000006	
k_SWARLimiter_HwDeg_f32	14.8000002	
k_ShiftLevRevTime_Sec_f32	0.0370000005	
k_StandstillThresh_Kph_f32	0.360000014	
k_StandstillTime_Sec_f32	0.0370000005	
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-6.6500001	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum	

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-375.51001
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	362.75
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	3.3599999
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	69.4000015
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	16
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.189999998
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-15.3999996
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	0	0	✓
TrqOvlSta_ESCState_State_M_enum	4	4	✓
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	4418.97998	4418.97998 ± 1	✓
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	835.559998	835.559998 ± 1	✓
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✓
TrqOvlSta_HapticState_State_M_enum	0	0	✓
TrqOvlSta_Hapticdur_Cnt_M_u16	11150	11150 ± 1	✓
TrqOvlSta_Haptictime_Sec_M_f32	425564	425564 ± 1	✓
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-4.20148611	-4.20148611 ± 0.000009	✓
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✓
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✓
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	2 ± 1	✓
TrqOvlSta_LKAState_State_M_enum	0	0	✓
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.189999998	0.189999998 ± 0.0009765625	✓
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✓
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	1	1 ± 1	✓
tgt_TrqOvlSta_Per1_APAState_State_enum.value	0	0	✓
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✓
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✓
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	0	0	✓
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✓
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.189999998	0.189999998 ± 0.0009765625	✓
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.0540000014	0.0540000014 ± 0.0009765625	✓
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✓
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	7.63000011	7.63000011 ± 0.0009765625	✓

Test Step Call Trace					✓
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached		1	✓
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection		1	✓
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached		1	✓

Test Step 3.50 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	0
TrqOvlSta_ESCState_State_M_enum	4
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	4418.97998
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	835.559998
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	4409.68018
TrqOvlSta_HapticState_State_M_enum	0
TrqOvlSta_Hapticdur_Cnt_M_u16	11150
TrqOvlSta_Haptictime_Sec_M_f32	425564
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-4.36999989
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0218000002
TrqOvlSta_LKAFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	2
TrqOvlSta_LKAState_State_M_enum	1
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	11.1000004
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0
k_APAIncludeHaptic_Cnt_lgc	1
k_APAMaxHwTrqTime_Sec_f32	0.200000003
k_APAMaxHwTrq_HwNm_f32	0.720000029
k_APAMaxVehSpd_Kph_f32	16.2000008
k_ESCMaxVehSpd_Kph_f32	31.7000008
k_HapticAmplitude_MtrNm_f32	0.0540000014
k_HapticDuration_Sec_f32	0.135000005
k_HapticFreq_Hz_f32	7.63000011
k_HapticReacttime_Sec_f32	0.143999994
k_LKAMaxVehSpd_Kph_f32	77.0999985
k_LKAMinVehSpd_Kph_f32	15.75
k_MaxHapticReqTime_Sec_f32	0.150000006
k_SWARLimiter_HwDeg_f32	14.8000002
k_ShiftLevRevTime_Sec_f32	0.0370000005
k_StandstillThresh_Kph_f32	0.360000014
k_StandstillTime_Sec_f32	0.0370000005
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	1.10000002
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0

Name	Input Value
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-373.730011
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	362.779999
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	3.3599999
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	69.4000015
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	16
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.189999998
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-15.3999996
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	0	0	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	4418.97998	4418.97998 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	835.559998	835.559998 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	11150	11150 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	425564	425564 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-4.20148611	-4.20148611 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	2 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	2	2	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.189999998	0.189999998 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	2	2	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.189999998	0.189999998 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.0540000014	0.0540000014 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	7.63000011	7.63000011 ± 0.0009765625	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 3.51 (Repeat Count = 1)	✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	0
TrqOvlSta_ESCState_State_M_enum	4
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	4418.97998
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	835.559998
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	4409.68018
TrqOvlSta_HapticState_State_M_enum	0
TrqOvlSta_Hapticdur_Cnt_M_u16	11150
TrqOvlSta_Haptictime_Sec_M_f32	425564
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-4.36999989
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0218000002
TrqOvlSta_LKAFault_Cnt_M_lgc	1

Name	Input Value
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	2
TrqOvlSta_LKAState_State_M_enum	1
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	11.1000004
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0
k_APAIncludeHaptic_Cnt_lgc	1
k_APAMaxHwTrqTime_Sec_f32	0.200000003
k_APAMaxHwTrq_HwNm_f32	0.720000029
k_APAMaxVehSpd_Kph_f32	16.2000008
k_ESCMaxVehSpd_Kph_f32	31.7000008
k_HapticAmplitude_MtrNm_f32	0.0540000014
k_HapticDuration_Sec_f32	0.135000005
k_HapticFreq_Hz_f32	7.63000011
k_HapticReacttime_Sec_f32	0.143999994
k_LKAMaxVehSpd_Kph_f32	17.1000004
k_LKAMinVehSpd_Kph_f32	15.75
k_MaxHapticReqTime_Sec_f32	0.150000006
k_SWARLimiter_HwDeg_f32	14.8000002
k_ShiftLevRevTime_Sec_f32	0.0370000005
k_StandstillThresh_Kph_f32	0.360000014
k_StandstillTime_Sec_f32	0.0370000005
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	1.10000002
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-371.950012
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	362.809998
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	3.3599999
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1

Name	Input Value
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	69.4000015
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	14
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.189999998
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-15.3999996
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	0	0	✓
TrqOvlSta_ESCState_State_M_enum	4	4	✓
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	4418.97998	4418.97998 ± 1	✓
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	835.559998	835.559998 ± 1	✓
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✓
TrqOvlSta_HapticState_State_M_enum	0	0	✓
TrqOvlSta_Hapticdur_Cnt_M_u16	11150	11150 ± 1	✓
TrqOvlSta_Haptictime_Sec_M_f32	425564	425564 ± 1	✓
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-4.20148611	-4.20148611 ± 0.000009	✓
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✓
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✓
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	2 ± 1	✓
TrqOvlSta_LKAState_State_M_enum	0	0	✓
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.189999998	0.189999998 ± 0.0009765625	✓
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✓
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	1	1 ± 1	✓
tgt_TrqOvlSta_Per1_APAState_State_enum.value	0	0	✓
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✓
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✓
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	0	0	✓
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✓
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.189999998	0.189999998 ± 0.0009765625	✓
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.0540000014	0.0540000014 ± 0.0009765625	✓
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✓
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	7.63000011	7.63000011 ± 0.0009765625	✓

Test Step Call Trace					✓
Actual Function		**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached		1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✓
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection		1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✓
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached		1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✓

Test Step 3.52 (Repeat Count = 1)	✓
Name	**Input Value**
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	0
TrqOvlSta_ESCState_State_M_enum	4
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	4418.97998
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	835.559998
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	4409.68018
TrqOvlSta_HapticState_State_M_enum	0
TrqOvlSta_Hapticdur_Cnt_M_u16	11150
TrqOvlSta_Haptictime_Sec_M_f32	425564
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-4.36999989
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0218000002
TrqOvlSta_LKAFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	2
TrqOvlSta_LKAState_State_M_enum	1
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	11.1000004
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0
k_APAIncludeHaptic_Cnt_lgc	1
k_APAMaxHwTrqTime_Sec_f32	0.200000003
k_APAMaxHwTrq_HwNm_f32	0.720000029
k_APAMaxVehSpd_Kph_f32	16.2000008
k_ESCMaxVehSpd_Kph_f32	31.7000008
k_HapticAmplitude_MtrNm_f32	0.0540000014
k_HapticDuration_Sec_f32	0.135000005
k_HapticFreq_Hz_f32	7.63000011
k_HapticReacttime_Sec_f32	0.143999994
k_LKAMaxVehSpd_Kph_f32	77.0999985

Name	Input Value
k_LKAMinVehSpd_Kph_f32	15.75
k_MaxHapticReqTime_Sec_f32	0.150000006
k_SWARLimiter_HwDeg_f32	14.8000002
k_ShiftLevRevTime_Sec_f32	0.0370000005
k_StandstillThresh_Kph_f32	0.360000014
k_StandstillTime_Sec_f32	0.0370000005
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	1.10000002
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-370.170013
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	362.839996
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	3.3599999
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	69.4000015
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	16
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.189999998
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-15.3999996
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	0	0	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	4418.97998	4418.97998 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	835.559998	835.559998 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	11150	11150 ± 1	✔

Name	Actual Value	Expected Value	Result
TrqOvlSta_Haptictime_Sec_M_f32	425564	425564 ± 1	✓
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-4.20148611	-4.20148611 ± 0.000009	✓
TrqOvlSta_LKAFault_Cnt_M_lgc	0	1 ± 1	✓
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✓
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	2 ± 1	✓
TrqOvlSta_LKAState_State_M_enum	1	1	✓
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.189999998	0.189999998 ± 0.0009765625	✓
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✓
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	1	1 ± 1	✓
tgt_TrqOvlSta_Per1_APAState_State_enum.value	0	0	✓
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✓
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✓
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	1	1	✓
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✓
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.189999998	0.189999998 ± 0.0009765625	✓
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.0540000014	0.0540000014 ± 0.0009765625	✓
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✓
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	7.63000011	7.63000011 ± 0.0009765625	✓

Test Step Call Trace					✓
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✓
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✓
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✓

Test Step 3.53 (Repeat Count = 1)		✓
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	0	
TrqOvlSta_ESCState_State_M_enum	2	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	4418.97998	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	835.559998	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	4409.68018	
TrqOvlSta_HapticState_State_M_enum	0	
TrqOvlSta_Hapticdur_Cnt_M_u16	11150	
TrqOvlSta_Haptictime_Sec_M_f32	425564	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-4.36999989	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0218000002	
TrqOvlSta_LKAFault_Cnt_M_lgc	1	
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	
TrqOvlSta_LKAState_State_M_enum	1	
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	11.1000004	
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	
k_APAIncludeHaptic_Cnt_lgc	1	
k_APAMaxHwTrqTime_Sec_f32	0.200000003	
k_APAMaxHwTrq_HwNm_f32	0.720000029	
k_APAMaxVehSpd_Kph_f32	16.2000008	
k_ESCMaxVehSpd_Kph_f32	31.7000008	
k_HapticAmplitude_MtrNm_f32	0.0540000014	
k_HapticDuration_Sec_f32	0.135000005	
k_HapticFreq_Hz_f32	7.63000011	
k_HapticReacttime_Sec_f32	0.143999994	
k_LKAMaxVehSpd_Kph_f32	77.0999985	
k_LKAMinVehSpd_Kph_f32	15.75	
k_MaxHapticReqTime_Sec_f32	0.150000006	
k_SWARLimiter_HwDeg_f32	14.8000002	
k_ShiftLevRevTime_Sec_f32	0.0370000005	
k_StandstillThresh_Kph_f32	0.360000014	
k_StandstillTime_Sec_f32	0.0370000005	
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	1.10000002	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc	

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-368.390015
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	362.869995
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	3.3599999
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	69.4000015
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	16
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.189999998
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-15.3999996
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	0	0	✔
TrqOvlSta_ESCState_State_M_enum	3	3	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	4418.97998	4418.97998 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	835.559998	835.559998 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	11150	11150 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	425564	425564 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-4.20148611	-4.20148611 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	2 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	2	2	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.189999998	0.189999998 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	2	2	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.189999998	0.189999998 ± 0.0009765625	✔

Name	Actual Value	Expected Value	Result
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.0540000014	0.0540000014 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	7.63000011	7.63000011 ± 0.0009765625	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 3.54 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	0	
TrqOvlSta_ESCState_State_M_enum	1	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	4418.97998	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	835.559998	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	4409.68018	
TrqOvlSta_HapticState_State_M_enum	0	
TrqOvlSta_Hapticdur_Cnt_M_u16	11150	
TrqOvlSta_Haptictime_Sec_M_f32	425564	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-4.36999989	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0218000002	
TrqOvlSta_LKAFault_Cnt_M_lgc	1	
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	
TrqOvlSta_LKAState_State_M_enum	1	
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	11.1000004	
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	
k_APAIncludeHaptic_Cnt_lgc	1	
k_APAMaxHwTrqTime_Sec_f32	0.200000003	
k_APAMaxHwTrq_HwNm_f32	0.720000029	
k_APAMaxVehSpd_Kph_f32	16.2000008	
k_ESCMaxVehSpd_Kph_f32	31.7000008	
k_HapticAmplitude_MtrNm_f32	0.0540000014	
k_HapticDuration_Sec_f32	0.135000005	
k_HapticFreq_Hz_f32	7.63000011	
k_HapticReacttime_Sec_f32	0.143999994	
k_LKAMaxVehSpd_Kph_f32	77.0999985	
k_LKAMinVehSpd_Kph_f32	15.75	
k_MaxHapticReqTime_Sec_f32	0.150000006	
k_SWARLimiter_HwDeg_f32	14.8000002	
k_ShiftLevRevTime_Sec_f32	0.0370000005	
k_StandstillThresh_Kph_f32	0.360000014	
k_StandstillTime_Sec_f32	0.0370000005	
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	1.10000002	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum	

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-366.609985
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	362.899994
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	3.3599999
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	69.4000015
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	16
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.189999998
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-15.3999996
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	0	0	✔
TrqOvlSta_ESCState_State_M_enum	3	3	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	4418.97998	4418.97998 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	835.559998	835.559998 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	11150	11150 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	425564	425564 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-4.20148611	-4.20148611 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	2 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	2	2	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.189999998	0.189999998 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	2	2	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.189999998	0.189999998 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.0540000014	0.0540000014 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	7.63000011	7.63000011 ± 0.0009765625	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached		1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection		1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached		1	✔

Test Step 3.55 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	0
TrqOvlSta_ESCState_State_M_enum	4
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	4418.97998
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	835.559998
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	4409.68018
TrqOvlSta_HapticState_State_M_enum	0
TrqOvlSta_Hapticdur_Cnt_M_u16	11150
TrqOvlSta_Haptictime_Sec_M_f32	425564
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-4.36999989
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0218000002
TrqOvlSta_LKAFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	2
TrqOvlSta_LKAState_State_M_enum	1
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	11.1000004
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0
k_APAIncludeHaptic_Cnt_lgc	1
k_APAMaxHwTrqTime_Sec_f32	0.200000003
k_APAMaxHwTrq_HwNm_f32	0.720000029
k_APAMaxVehSpd_Kph_f32	16.2000008
k_ESCMaxVehSpd_Kph_f32	31.7000008
k_HapticAmplitude_MtrNm_f32	0.0540000014
k_HapticDuration_Sec_f32	0.135000005
k_HapticFreq_Hz_f32	7.63000011
k_HapticReacttime_Sec_f32	0.143999994
k_LKAMaxVehSpd_Kph_f32	77.0999985
k_LKAMinVehSpd_Kph_f32	15.75
k_MaxHapticReqTime_Sec_f32	0.150000006
k_SWARLimiter_HwDeg_f32	14.8000002
k_ShiftLevRevTime_Sec_f32	0.0370000005
k_StandstillThresh_Kph_f32	0.360000014
k_StandstillTime_Sec_f32	0.0370000005
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	1.10000002
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARtrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARtrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0

Name	Input Value
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-364.829987
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	362.929993
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	3.3599999
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	69.4000015
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	16
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.189999998
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-15.3999996
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	0	0	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	4418.97998	4418.97998 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	835.559998	835.559998 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	11150	11150 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	425564	425564 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-4.20148611	-4.20148611 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	2 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	2	2	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.189999998	0.189999998 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	2	2	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.189999998	0.189999998 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.0540000014	0.0540000014 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	7.63000011	7.63000011 ± 0.0009765625	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 3.56 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	4	
TrqOvlSta_ESCState_State_M_enum	0	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	860.340027	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	484.200012	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	930.719971	
TrqOvlSta_HapticState_State_M_enum	2	
TrqOvlSta_Hapticdur_Cnt_M_u16	1050	
TrqOvlSta_Haptictime_Sec_M_f32	2315.65991	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-6.80999994	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0130000003	
TrqOvlSta_LKAFault_Cnt_M_lgc	0	

Name	Input Value
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	2
TrqOvlSta_LKAState_State_M_enum	3
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	6.69999981
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0
k_APAIncludeHaptic_Cnt_lgc	0
k_APAMaxHwTrqTime_Sec_f32	0.159999996
k_APAMaxHwTrq_HwNm_f32	0.400000006
k_APAMaxVehSpd_Kph_f32	9
k_ESCMaxVehSpd_Kph_f32	22.1000004
k_HapticAmplitude_MtrNm_f32	0.0299999993
k_HapticDuration_Sec_f32	0.075000003
k_HapticFreq_Hz_f32	5.57399988
k_HapticReacttime_Sec_f32	0.0799999982
k_LKAMaxVehSpd_Kph_f32	9.5
k_LKAMinVehSpd_Kph_f32	8.75
k_MaxHapticReqTime_Sec_f32	0.0900000036
k_SWARLimiter_HwDeg_f32	9.19999981
k_ShiftLevRevTime_Sec_f32	0.0209999997
k_StandstillThresh_Kph_f32	0.200000003
k_StandstillTime_Sec_f32	0.0209999997
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-7.25
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-363.049988
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	362.959991
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	1.96000004
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1

Name	Input Value		
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0		
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	49.7999992		
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	59.5999985		
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1		
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.150000006		
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-23		
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0		

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✔
TrqOvlSta_ESCState_State_M_enum	1	1	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	2	2	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	1050	1050 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	2315.65991	2315.65991 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-6.80999994	-6.80999994 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	3	3 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	3	3	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.150000006	0.150000006 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	1	1	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	2	2	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.150000006	0.150000006 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.0299999993	0.0299999993 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	5.57399988	5.57399988 ± 0.0009765625	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached		1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection		1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached		1	✔

Test Step 3.57 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	4	
TrqOvlSta_ESCState_State_M_enum	0	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	860.340027	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	484.200012	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	930.719971	
TrqOvlSta_HapticState_State_M_enum	2	
TrqOvlSta_Hapticdur_Cnt_M_u16	1050	
TrqOvlSta_Haptictime_Sec_M_f32	2315.65991	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-6.80999994	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0130000003	
TrqOvlSta_LKAFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	
TrqOvlSta_LKAState_State_M_enum	3	
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	6.69999981	
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	
k_APAIncludeHaptic_Cnt_lgc	0	
k_APAMaxHwTrqTime_Sec_f32	0.159999996	
k_APAMaxHwTrq_HwNm_f32	0.400000006	
k_APAMaxVehSpd_Kph_f32	9	
k_ESCMaxVehSpd_Kph_f32	22.1000004	
k_HapticAmplitude_MtrNm_f32	0.0299999993	
k_HapticDuration_Sec_f32	0.075000003	
k_HapticFreq_Hz_f32	5.57399988	
k_HapticReacttime_Sec_f32	0.0799999982	
k_LKAMaxVehSpd_Kph_f32	9.5	

Name	Input Value
k_LKAMinVehSpd_Kph_f32	8.75
k_MaxHapticReqTime_Sec_f32	0.0900000036
k_SWARLimiter_HwDeg_f32	9.19999981
k_ShiftLevRevTime_Sec_f32	0.0209999997
k_StandstillThresh_Kph_f32	0.200000003
k_StandstillTime_Sec_f32	0.0209999997
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-7.25
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-361.269989
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	362.98999
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	1.96000004
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	49.7999992
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	59.5999985
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.150000006
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-23
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✔
TrqOvlSta_ESCState_State_M_enum	0	0	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	2	2	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	1050	1050 ± 1	✔

Name	Actual Value	Expected Value	Result
TrqOvlSta_Haptictime_Sec_M_f32	2315.65991	2315.65991 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-6.80999994	-6.80999994 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	3	3 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	3	3	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.150000006	0.150000006 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	2	2	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.150000006	0.150000006 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.0299999993	0.0299999993 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	5.57399988	5.57399988 ± 0.0009765625	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached		1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection		1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached		1	✔

Test Step 3.58 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	1	
TrqOvlSta_ESCState_State_M_enum	1	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	
TrqOvlSta_HapticState_State_M_enum	0	
TrqOvlSta_Hapticdur_Cnt_M_u16	44450	
TrqOvlSta_Haptictime_Sec_M_f32	0	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-1.64999998	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.419	
TrqOvlSta_LKAFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_u08	1	
TrqOvlSta_LKAState_State_M_enum	0	
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	1.39999998	
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	
k_APAIncludeHaptic_Cnt_lgc	1	
k_APAMaxHwTrqTime_Sec_f32	0.601666689	
k_APAMaxHwTrq_HwNm_f32	0	
k_APAMaxVehSpd_Kph_f32	138.600006	
k_ESCMaxVehSpd_Kph_f32	12	
k_HapticAmplitude_MtrNm_f32	0.462000012	
k_HapticDuration_Sec_f32	1.15499997	
k_HapticFreq_Hz_f32	32.3019981	
k_HapticReacttime_Sec_f32	1.23199999	
k_LKAMaxVehSpd_Kph_f32	146.300003	
k_LKAMinVehSpd_Kph_f32	100	
k_MaxHapticReqTime_Sec_f32	0.600000024	
k_SWARLimiter_HwDeg_f32	0	
k_ShiftLevRevTime_Sec_f32	0.308999985	
k_StandstillThresh_Kph_f32	0	
k_StandstillTime_Sec_f32	0.308999985	
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	5	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc	

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-390.01001
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	363.019989
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	8.10000038
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	1
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	1
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.200000003
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	0
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	1	1	✔
TrqOvlSta_ESCState_State_M_enum	1	1	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0.00200000009	0.00200000009 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0.00200000009	0.00200000009 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	44450	44450 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0.00200000009	0.00200000009 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	2.43524981	2.43525004 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	2 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	0	0	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.200000003	0.200000003 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	1	1	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	1	1	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.200000003	0.200000003 ± 0.0009765625	✔

Name	Actual Value	Expected Value	Result
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.462000012	0.462000012 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	32.3019981	32.3019981 ± 0.0009765625	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 3.59 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	2	
TrqOvlSta_ESCState_State_M_enum	2	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	2639.65991	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	659.880005	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	2670.19995	
TrqOvlSta_HapticState_State_M_enum	0	
TrqOvlSta_Hapticdur_Cnt_M_u16	6100	
TrqOvlSta_Haptictime_Sec_M_f32	3285.03003	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-5.59000015	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0174000002	
TrqOvlSta_LKAFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	
TrqOvlSta_LKAState_State_M_enum	1	
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	8.89999962	
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	
k_APAIncludeHaptic_Cnt_lgc	1	
k_APAMaxHwTrqTime_Sec_f32	0.180000007	
k_APAMaxHwTrq_HwNm_f32	0.560000002	
k_APAMaxVehSpd_Kph_f32	12.6000004	
k_ESCMaxVehSpd_Kph_f32	26.8999996	
k_HapticAmplitude_MtrNm_f32	0.0419999994	
k_HapticDuration_Sec_f32	0.104999997	
k_HapticFreq_Hz_f32	6.60200024	
k_HapticReacttime_Sec_f32	0.112000003	
k_LKAMaxVehSpd_Kph_f32	13.3000002	
k_LKAMinVehSpd_Kph_f32	12.25	
k_MaxHapticReqTime_Sec_f32	0.119999997	
k_SWARLimiter_HwDeg_f32	12	
k_ShiftLevRevTime_Sec_f32	0.0289999992	
k_StandstillThresh_Kph_f32	0.280000001	
k_StandstillTime_Sec_f32	0.0289999992	
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-6.94999981	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum	

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-388.230011
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	363.049988
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	2.66000009
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	59.5999985
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	69.4000015
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.170000002
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-19.2000008
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	0	0	✔
TrqOvlSta_ESCState_State_M_enum	0	0	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	2639.65991	2639.65991 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	659.880005	659.880005 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	6100	6100 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	3285.03003	3285.03003 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-5.44645023	-5.44645023 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	3	3 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	3	3	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.170000002	0.170000002 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.170000002	0.170000002 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.0419999994	0.0419999994 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	6.60200024	6.60200024 ± 0.0009765625	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔	
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔	

Test Step 3.60 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	2
TrqOvlSta_ESCState_State_M_enum	2
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	2639.65991
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	659.880005
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	2670.19995
TrqOvlSta_HapticState_State_M_enum	0
TrqOvlSta_Hapticdur_Cnt_M_u16	6100
TrqOvlSta_Haptictime_Sec_M_f32	3285.03003
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-5.59000015
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0174000002
TrqOvlSta_LKAFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	2
TrqOvlSta_LKAState_State_M_enum	1
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	8.89999962
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0
k_APAIncludeHaptic_Cnt_lgc	1
k_APAMaxHwTrqTime_Sec_f32	0.180000007
k_APAMaxHwTrq_HwNm_f32	0.560000002
k_APAMaxVehSpd_Kph_f32	12.6000004
k_ESCMaxVehSpd_Kph_f32	26.8999996
k_HapticAmplitude_MtrNm_f32	0.0419999994
k_HapticDuration_Sec_f32	0.104999997
k_HapticFreq_Hz_f32	6.60200024
k_HapticReacttime_Sec_f32	0.112000003
k_LKAMaxVehSpd_Kph_f32	13.3000002
k_LKAMinVehSpd_Kph_f32	12.25
k_MaxHapticReqTime_Sec_f32	0.119999997
k_SWARLimiter_HwDeg_f32	12
k_ShiftLevRevTime_Sec_f32	0.0289999992
k_StandstillThresh_Kph_f32	0.280000001
k_StandstillTime_Sec_f32	0.0289999992
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-6.94999981
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0

Name	Input Value
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-386.450012
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	363.079987
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	2.66000009
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	59.5999985
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	69.4000015
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.170000002
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-19.2000008
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	0	0	✔
TrqOvlSta_ESCState_State_M_enum	2	2	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	2639.65991	2639.65991 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	659.880005	659.880005 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	6100	6100 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	3285.03003	3285.03003 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-5.44645023	-5.44645023 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	3	3 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	3	3	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.170000002	0.170000002 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	2	2	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.170000002	0.170000002 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.0419999994	0.0419999994 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	6.60200024	6.60200024 ± 0.0009765625	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 3.61 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	2	
TrqOvlSta_ESCState_State_M_enum	2	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	2639.65991	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	659.880005	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	2670.19995	
TrqOvlSta_HapticState_State_M_enum	0	
TrqOvlSta_Hapticdur_Cnt_M_u16	6100	
TrqOvlSta_Haptictime_Sec_M_f32	3285.03003	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-5.59000015	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0174000002	
TrqOvlSta_LKAFault_Cnt_M_lgc	0	

Name	Input Value
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	2
TrqOvlSta_LKAState_State_M_enum	1
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	8.89999962
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0
k_APAIncludeHaptic_Cnt_lgc	1
k_APAMaxHwTrqTime_Sec_f32	0.180000007
k_APAMaxHwTrq_HwNm_f32	0.560000002
k_APAMaxVehSpd_Kph_f32	12.6000004
k_ESCMaxVehSpd_Kph_f32	26.8999996
k_HapticAmplitude_MtrNm_f32	0.0419999994
k_HapticDuration_Sec_f32	0.104999997
k_HapticFreq_Hz_f32	6.60200024
k_HapticReacttime_Sec_f32	0.112000003
k_LKAMaxVehSpd_Kph_f32	13.3000002
k_LKAMinVehSpd_Kph_f32	12.25
k_MaxHapticReqTime_Sec_f32	0.119999997
k_SWARLimiter_HwDeg_f32	12
k_ShiftLevRevTime_Sec_f32	0.0289999992
k_StandstillThresh_Kph_f32	0.280000001
k_StandstillTime_Sec_f32	0.0289999992
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-6.94999981
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-384.670013
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	363.109985
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	2.66000009
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1

Name	Input Value		
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1		
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	59.5999985		
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	69.4000015		
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1		
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.170000002		
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-19.2000008		
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1		

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	0	0	✔
TrqOvlSta_ESCState_State_M_enum	1	1	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	2639.65991	2639.65991 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	659.880005	659.880005 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	6100	6100 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	3285.03003	3285.03003 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-5.44645023	-5.44645023 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	3	3 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	3	3	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.170000002	0.170000002 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	1	1	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.170000002	0.170000002 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.0419999994	0.0419999994 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	6.60200024	6.60200024 ± 0.0009765625	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached		1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection		1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached		1	✔

Test Step 3.62 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	1	
TrqOvlSta_ESCState_State_M_enum	3	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	175.460007	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	308.519989	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	225.639999	
TrqOvlSta_HapticState_State_M_enum	2	
TrqOvlSta_Hapticdur_Cnt_M_u16	684	
TrqOvlSta_Haptictime_Sec_M_f32	1345	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-8.02999973	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.00860000029	
TrqOvlSta_LKAFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	
TrqOvlSta_LKAPermFault_Cnt_M_u08	3	
TrqOvlSta_LKAState_State_M_enum	3	
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	4.5	
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	
k_APAIncludeHaptic_Cnt_lgc	1	
k_APAMaxHwTrqTime_Sec_f32	0.140000001	
k_APAMaxHwTrq_HwNm_f32	0.239999995	
k_APAMaxVehSpd_Kph_f32	5.4000001	
k_ESCMaxVehSpd_Kph_f32	17.2999992	
k_HapticAmplitude_MtrNm_f32	0.0179999992	
k_HapticDuration_Sec_f32	0.0450000018	
k_HapticFreq_Hz_f32	4.55999994	
k_HapticReacttime_Sec_f32	0.0480000004	
k_LKAMaxVehSpd_Kph_f32	5.69999981	

Name	Input Value
k_LKAMinVehSpd_Kph_f32	5.25
k_MaxHapticReqTime_Sec_f32	0.0599999987
k_SWARLimiter_HwDeg_f32	6.4000001
k_ShiftLevRevTime_Sec_f32	0.0130000003
k_StandstillThresh_Kph_f32	0.119999997
k_StandstillTime_Sec_f32	0.0130000003
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-7.55000019
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-382.890015
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	363.140015
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	1.25999999
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	40
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	49.7999992
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.129999995
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-26.7999992
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	0	0	✔
TrqOvlSta_ESCState_State_M_enum	0	0	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	308.519989	308.519989 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	684	684 ± 1	✔

Name	Actual Value	Expected Value	Result
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-8.02999973	-8.02999973 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	3	3 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	3	3	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.129999995	0.129999995 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.129999995	0.129999995 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.0179999992	0.0179999992 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	4.55999994	4.55999994 ± 0.0009765625	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached		1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection		1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached		1	✔

Test Step 3.63 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	2	
TrqOvlSta_ESCState_State_M_enum	1	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	1952499	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	84736.2422	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	378600	
TrqOvlSta_HapticState_State_M_enum	1	
TrqOvlSta_Hapticdur_Cnt_M_u16	33000	
TrqOvlSta_Haptictime_Sec_M_f32	204770	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-4.80000019	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.441000015	
TrqOvlSta_LKAFault_Cnt_M_lgc	1	
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_u08	3	
TrqOvlSta_LKAState_State_M_enum	0	
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	38.2000008	
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	
k_APAIncludeHaptic_Cnt_lgc	0	
k_APAMaxHwTrqTime_Sec_f32	0.210999995	
k_APAMaxHwTrq_HwNm_f32	8.80000019	
k_APAMaxVehSpd_Kph_f32	198	
k_ESCMaxVehSpd_Kph_f32	164.300003	
k_HapticAmplitude_MtrNm_f32	0.660000026	
k_HapticDuration_Sec_f32	1.64999998	
k_HapticFreq_Hz_f32	54.9179993	
k_HapticReacttime_Sec_f32	1.75999999	
k_LKAMaxVehSpd_Kph_f32	209	
k_LKAMinVehSpd_Kph_f32	120.220001	
k_MaxHapticReqTime_Sec_f32	0.150000006	
k_SWARLimiter_HwDeg_f32	19	
k_ShiftLevRevTime_Sec_f32	0.0370000005	
k_StandstillThresh_Kph_f32	4.4000001	
k_StandstillTime_Sec_f32	0.0370000005	
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-7.55000019	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc	

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-381.109985
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	363.170013
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	-8.10000038
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	20.6000004
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	41.2000008
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.109999999
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	3.70000005
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	2	2	✔
TrqOvlSta_ESCState_State_M_enum	3	3	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	84736.2422	84736.2422 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	1	1	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	33000	33000 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-4.80000019	-4.80000019 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	3	3 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	0	0	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	3.70000005	3.70000005 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	2	2	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	1	1	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	3.70000005	3.70000005 ± 0.0009765625	✔

Name	Actual Value	Expected Value	Result
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.660000026	0.660000026 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	54.9179993	54.9179993 ± 0.0009765625	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔	
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔	

Test Step 3.64 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	2	
TrqOvlSta_ESCState_State_M_enum	1	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	1952499	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	84736.2422	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	378600	
TrqOvlSta_HapticState_State_M_enum	1	
TrqOvlSta_Hapticdur_Cnt_M_u16	33000	
TrqOvlSta_Haptictime_Sec_M_f32	204770	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-4.80000019	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.441000015	
TrqOvlSta_LKAFault_Cnt_M_lgc	1	
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_u08	3	
TrqOvlSta_LKAState_State_M_enum	0	
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	38.2000008	
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	
k_APAIncludeHaptic_Cnt_lgc	0	
k_APAMaxHwTrqTime_Sec_f32	0.210999995	
k_APAMaxHwTrq_HwNm_f32	8.80000019	
k_APAMaxVehSpd_Kph_f32	198	
k_ESCMaxVehSpd_Kph_f32	164.300003	
k_HapticAmplitude_MtrNm_f32	0.660000026	
k_HapticDuration_Sec_f32	1.64999998	
k_HapticFreq_Hz_f32	54.9179993	
k_HapticReacttime_Sec_f32	1.75999999	
k_LKAMaxVehSpd_Kph_f32	209	
k_LKAMinVehSpd_Kph_f32	120.220001	
k_MaxHapticReqTime_Sec_f32	0.150000006	
k_SWARLimiter_HwDeg_f32	19	
k_ShiftLevRevTime_Sec_f32	0.0370000005	
k_StandstillThresh_Kph_f32	4.4000001	
k_StandstillTime_Sec_f32	0.0370000005	
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-7.55000019	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum	

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-379.329987
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	363.200012
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	-8.10000038
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	20.6000004
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	41.2000008
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.109999999
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	3.70000005
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	2	2	✓
TrqOvlSta_ESCState_State_M_enum	3	3	✓
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✓
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	84736.2422	84736.2422 ± 1	✓
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✓
TrqOvlSta_HapticState_State_M_enum	1	1	✓
TrqOvlSta_Hapticdur_Cnt_M_u16	33000	33000 ± 1	✓
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✓
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-4.80000019	-4.80000019 ± 0.000009	✓
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✓
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✓
TrqOvlSta_LKAPermFault_Cnt_M_u08	3	3 ± 1	✓
TrqOvlSta_LKAState_State_M_enum	0	0	✓
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	3.70000005	3.70000005 ± 0.0009765625	✓
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✓
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✓
tgt_TrqOvlSta_Per1_APAState_State_enum.value	2	2	✓
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✓
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	1	1	✓
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	0	0	✓
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✓
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	3.70000005	3.70000005 ± 0.0009765625	✓
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.660000026	0.660000026 ± 0.0009765625	✓
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	1	1 ± 1	✓
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	54.9179993	54.9179993 ± 0.0009765625	✓

Test Step Call Trace				✓
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✓
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✓
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✓

Test Step 3.65 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	5
TrqOvlSta_ESCState_State_M_enum	1
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0
TrqOvlSta_HapticState_State_M_enum	0
TrqOvlSta_Hapticdur_Cnt_M_u16	44450
TrqOvlSta_Haptictime_Sec_M_f32	0
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-1.64999998
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.419
TrqOvlSta_LKAFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	1
TrqOvlSta_LKAState_State_M_enum	0
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	1.39999998
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
k_APAIncludeHaptic_Cnt_lgc	1
k_APAMaxHwTrqTime_Sec_f32	0.601666689
k_APAMaxHwTrq_HwNm_f32	0
k_APAMaxVehSpd_Kph_f32	138.600006
k_ESCMaxVehSpd_Kph_f32	12
k_HapticAmplitude_MtrNm_f32	0.462000012
k_HapticDuration_Sec_f32	1.15499997
k_HapticFreq_Hz_f32	32.3019981
k_HapticReacttime_Sec_f32	1.23199999
k_LKAMaxVehSpd_Kph_f32	146.300003
k_LKAMinVehSpd_Kph_f32	100
k_MaxHapticReqTime_Sec_f32	0.600000024
k_SWARLimiter_HwDeg_f32	0
k_ShiftLevRevTime_Sec_f32	0.308999985
k_StandstillThresh_Kph_f32	0
k_StandstillTime_Sec_f32	0.308999985
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	5
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0

Name	Input Value
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-377.549988
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	363.230011
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	8.10000038
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	1
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	1
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.200000003
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	0
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	5	5	✔
TrqOvlSta_ESCState_State_M_enum	2	2	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0.00200000009	0.00200000009 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0.00200000009	0.00200000009 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	44450	44450 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0.00200000009	0.00200000009 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	2.43524981	2.43525004 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	2 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	0	0	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.200000003	0.200000003 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	5	5	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	2	2	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.200000003	0.200000003 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.462000012	0.462000012 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	32.3019981	32.3019981 ± 0.0009765625	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 3.66 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	3	
TrqOvlSta_ESCState_State_M_enum	4	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	34667.4219	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	5450	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	
TrqOvlSta_HapticState_State_M_enum	1	
TrqOvlSta_Hapticdur_Cnt_M_u16	5270	
TrqOvlSta_Haptictime_Sec_M_f32	27475.5293	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	5.69000006	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0890000015	
TrqOvlSta_LKAFault_Cnt_M_lgc	0	

Name	Input Value
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_u08	4
TrqOvlSta_LKAState_State_M_enum	3
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	1
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0
k_APAIncludeHaptic_Cnt_lgc	1
k_APAMaxHwTrqTime_Sec_f32	0.376666665
k_APAMaxHwTrq_HwNm_f32	3.75999999
k_APAMaxVehSpd_Kph_f32	84.5999985
k_ESCMaxVehSpd_Kph_f32	1
k_HapticAmplitude_MtrNm_f32	0.282000005
k_HapticDuration_Sec_f32	0.704999983
k_HapticFreq_Hz_f32	3.25
k_HapticReacttime_Sec_f32	0.751999974
k_LKAMaxVehSpd_Kph_f32	89.3000031
k_LKAMinVehSpd_Kph_f32	82.25
k_MaxHapticReqTime_Sec_f32	0.720000029
k_SWARLimiter_HwDeg_f32	0
k_ShiftLevRevTime_Sec_f32	0.188999996
k_StandstillThresh_Kph_f32	4
k_StandstillTime_Sec_f32	0.188999996
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-1
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-375.769989
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	363.26001
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	2.0999999
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0

Name	Input Value		
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1		
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	0		
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	0		
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	0		
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0		
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	1		
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0		

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	3	3	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0.00200000009	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	1	1	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	5270	5270 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	5.69000006	5.69000006 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	4	4 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	3	3	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	1	1 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	1	1	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	1	1 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.282000005	0.282000005 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	3.25	3.25 ± 0.0009765625	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached		1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection		1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached		1	✔

Test Step 3.67 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	1	
TrqOvlSta_ESCState_State_M_enum	5	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	34667.4219	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	5450	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	
TrqOvlSta_HapticState_State_M_enum	3	
TrqOvlSta_Hapticdur_Cnt_M_u16	5270	
TrqOvlSta_Haptictime_Sec_M_f32	27475.5293	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	5.69000006	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0890000015	
TrqOvlSta_LKAFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	
TrqOvlSta_LKAPermFault_Cnt_M_u08	4	
TrqOvlSta_LKAState_State_M_enum	3	
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	1	
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	
k_APAIncludeHaptic_Cnt_lgc	1	
k_APAMaxHwTrqTime_Sec_f32	0.376666665	
k_APAMaxHwTrq_HwNm_f32	3.75999999	
k_APAMaxVehSpd_Kph_f32	84.5999985	
k_ESCMaxVehSpd_Kph_f32	1	
k_HapticAmplitude_MtrNm_f32	0.282000005	
k_HapticDuration_Sec_f32	0.704999983	
k_HapticFreq_Hz_f32	3.25	
k_HapticReacttime_Sec_f32	0.751999974	
k_LKAMaxVehSpd_Kph_f32	89.3000031	

Name	Input Value
k_LKAMinVehSpd_Kph_f32	82.25
k_MaxHapticReqTime_Sec_f32	0.720000029
k_SWARLimiter_HwDeg_f32	0
k_ShiftLevRevTime_Sec_f32	0.188999996
k_StandstillThresh_Kph_f32	4
k_StandstillTime_Sec_f32	0.188999996
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-1
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-373.98999
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	363.290009
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	2.0999999
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	0
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	0
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	1
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	1	1	✔
TrqOvlSta_ESCState_State_M_enum	5	5	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0.00200000009	0.00200000009 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	3	3	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	5270	5270 ± 1	✔

Name	Actual Value	Expected Value	Result
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✓
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	5.69000006	5.69000006 ± 0.000009	✓
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✓
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✓
TrqOvlSta_LKAPermFault_Cnt_M_u08	4	4 ± 1	✓
TrqOvlSta_LKAState_State_M_enum	3	3	✓
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	1	1 ± 0.0009765625	✓
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✓
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✓
tgt_TrqOvlSta_Per1_APAState_State_enum.value	1	1	✓
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	5	5	✓
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	3	3	✓
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	3	3	✓
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✓
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	1	1 ± 0.0009765625	✓
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.282000005	0.282000005 ± 0.0009765625	✓
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✓
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	3.25	3.25 ± 0.0009765625	✓

Test Step Call Trace				✓
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✓
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✓
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✓

Test Step 3.68 (Repeat Count = 1)		✓
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	1	
TrqOvlSta_ESCState_State_M_enum	4	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	8867.28027	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	1274.76001	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	8758.37988	
TrqOvlSta_HapticState_State_M_enum	1	
TrqOvlSta_Hapticdur_Cnt_M_u16	23775	
TrqOvlSta_Haptictime_Sec_M_f32	6679.83008	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-1.32000005	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0328000002	
TrqOvlSta_LKAFault_Cnt_M_lgc	1	
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	
TrqOvlSta_LKAState_State_M_enum	2	
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	16.6000004	
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	
k_APAIncludeHaptic_Cnt_lgc	1	
k_APAMaxHwTrqTime_Sec_f32	0.25	
k_APAMaxHwTrq_HwNm_f32	1.12	
k_APAMaxVehSpd_Kph_f32	25.2000008	
k_ESCMaxVehSpd_Kph_f32	43.7000008	
k_HapticAmplitude_MtrNm_f32	0.0839999989	
k_HapticDuration_Sec_f32	0.209999993	
k_HapticFreq_Hz_f32	10.1999998	
k_HapticReacttime_Sec_f32	0.224000007	
k_LKAMaxVehSpd_Kph_f32	26.6000004	
k_LKAMinVehSpd_Kph_f32	24.5	
k_MaxHapticReqTime_Sec_f32	0.224999994	
k_SWARLimiter_HwDeg_f32	21.7999992	
k_ShiftLevRevTime_Sec_f32	0.057	
k_StandstillThresh_Kph_f32	0.560000002	
k_StandstillTime_Sec_f32	0.057	
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-5.9000001	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc	

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-998.710022
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	429.160004
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	5.11000013
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	0.5
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	103.699997
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.140000001
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-5.9000001
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	1274.76001	1274.76001 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	8758.37988	8758.37988 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	1	1	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	23775	23775 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	6679.83008	6679.83008 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-1.32000005	-1.32000005 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	2 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	4	4	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	16.6000004	16.6000004 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	1	1	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	16.6000004	16.6000004 ± 0.0009765625	✔

Name	Actual Value	Expected Value	Result
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.0839999989	0.0839999989 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	10.1999998	10.1999998 ± 0.0009765625	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 3.69 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	1
TrqOvlSta_ESCState_State_M_enum	0
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	2088351
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	87934.9609
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	404784
TrqOvlSta_HapticState_State_M_enum	1
TrqOvlSta_Hapticdur_Cnt_M_u16	41000
TrqOvlSta_Haptictime_Sec_M_f32	216790.344
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-3.4000001
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.485000014
TrqOvlSta_LKAFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_u08	3
TrqOvlSta_LKAState_State_M_enum	2
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	43.7999992
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
k_APAIncludeHaptic_Cnt_lgc	0
k_APAMaxHwTrqTime_Sec_f32	0.254999995
k_APAMaxHwTrq_HwNm_f32	9.11999989
k_APAMaxVehSpd_Kph_f32	205.199997
k_ESCMaxVehSpd_Kph_f32	15.6000004
k_HapticAmplitude_MtrNm_f32	0
k_HapticDuration_Sec_f32	1.71000004
k_HapticFreq_Hz_f32	56.973999
k_HapticReacttime_Sec_f32	1.824
k_LKAMaxVehSpd_Kph_f32	216.600006
k_LKAMinVehSpd_Kph_f32	199.5
k_MaxHapticReqTime_Sec_f32	0.209999993
k_SWARLimiter_HwDeg_f32	20.2000008
k_ShiftLevRevTime_Sec_f32	0.0529999994
k_StandstillThresh_Kph_f32	4.55999994
k_StandstillTime_Sec_f32	0.0529999994
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-6.94999981
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-928.01001
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	849.059998
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	-6.0999999
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	0.600000024
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	82.4000015
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.150000006
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	10.1000004
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	1	1	✔
TrqOvlSta_ESCState_State_M_enum	3	3	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	87934.9609	87934.9609 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	404784	404784 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	1	1	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	41000	41000 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-3.4000001	-3.4000001 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	3	3 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	3	3	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.150000006	0.150000006 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	1	1	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	1	1	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.150000006	0.150000006 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0	0 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	56.973999	56.973999 ± 0.0009765625	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 3.70 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	1
TrqOvlSta_ESCState_State_M_enum	0
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	2088351
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	87934.9609
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	404784
TrqOvlSta_HapticState_State_M_enum	1
TrqOvlSta_Hapticdur_Cnt_M_u16	41000
TrqOvlSta_Haptictime_Sec_M_f32	216790.344
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-3.4000001
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.485000014
TrqOvlSta_LKAFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_u08	3
TrqOvlSta_LKAState_State_M_enum	2
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	43.7999992
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
k_APAIncludeHaptic_Cnt_lgc	0
k_APAMaxHwTrqTime_Sec_f32	0.254999995
k_APAMaxHwTrq_HwNm_f32	9.11999989
k_APAMaxVehSpd_Kph_f32	205.199997
k_ESCMaxVehSpd_Kph_f32	15.6000004
k_HapticAmplitude_MtrNm_f32	0
k_HapticDuration_Sec_f32	1.71000004
k_HapticFreq_Hz_f32	56.973999
k_HapticReacttime_Sec_f32	1.824
k_LKAMaxVehSpd_Kph_f32	216.600006
k_LKAMinVehSpd_Kph_f32	199.5
k_MaxHapticReqTime_Sec_f32	0.209999993
k_SWARLimiter_HwDeg_f32	20.2000008
k_ShiftLevRevTime_Sec_f32	0.0529999994
k_StandstillThresh_Kph_f32	4.55999994
k_StandstillTime_Sec_f32	0.0529999994
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-6.94999981
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0

Name	Input Value
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-928.01001
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	849.059998
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	-6.0999999
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	0.600000024
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	82.4000015
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.150000006
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	10.1000004
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	2	2	✔
TrqOvlSta_ESCState_State_M_enum	3	3	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	87934.9609	87934.9609 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	404784	404784 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	41000	41000 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-3.4000001	-3.4000001 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	3	3 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	3	3	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	43.7999992	43.7999992 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	2	2	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	43.7999992	43.7999992 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0	0 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	56.973999	56.973999 ± 0.0009765625	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached		1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection		1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached		1	✔

Test Step 3.71 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	1	
TrqOvlSta_ESCState_State_M_enum	0	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	2088351	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	87934.9609	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	404784	
TrqOvlSta_HapticState_State_M_enum	1	
TrqOvlSta_Hapticdur_Cnt_M_u16	41000	
TrqOvlSta_Haptictime_Sec_M_f32	216790.344	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-3.4000001	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.485000014	
TrqOvlSta_LKAFault_Cnt_M_lgc	0	

Name	Input Value
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_u08	3
TrqOvlSta_LKAState_State_M_enum	2
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	43.7999992
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
k_APAIncludeHaptic_Cnt_lgc	0
k_APAMaxHwTrqTime_Sec_f32	0.254999995
k_APAMaxHwTrq_HwNm_f32	9.11999989
k_APAMaxVehSpd_Kph_f32	205.199997
k_ESCMaxVehSpd_Kph_f32	15.6000004
k_HapticAmplitude_MtrNm_f32	0
k_HapticDuration_Sec_f32	1.71000004
k_HapticFreq_Hz_f32	56.973999
k_HapticReacttime_Sec_f32	1.824
k_LKAMaxVehSpd_Kph_f32	216.600006
k_LKAMinVehSpd_Kph_f32	199.5
k_MaxHapticReqTime_Sec_f32	0.209999993
k_SWARLimiter_HwDeg_f32	20.2000008
k_ShiftLevRevTime_Sec_f32	0.0529999994
k_StandstillThresh_Kph_f32	4.55999994
k_StandstillTime_Sec_f32	0.0529999994
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-6.94999981
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-928.01001
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	849.059998
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	-6.0999999
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1

Name	Input Value		
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1		
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	0.600000024		
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	82.4000015		
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1		
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.150000006		
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	10.1000004		
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0		

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	1	1	✔
TrqOvlSta_ESCState_State_M_enum	3	3	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	404784	404784 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	1	1	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	41000	41000 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-3.4000001	-3.4000001 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	3	3 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	3	3	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.150000006	0.150000006 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	1	1	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	1	1	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.150000006	0.150000006 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0	0 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	56.973999	56.973999 ± 0.0009765625	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached		1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection		1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached		1	✔

Test Step 3.72 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	1	
TrqOvlSta_ESCState_State_M_enum	1	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	
TrqOvlSta_HapticState_State_M_enum	0	
TrqOvlSta_Hapticdur_Cnt_M_u16	44450	
TrqOvlSta_Haptictime_Sec_M_f32	0	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-1.64999998	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.419	
TrqOvlSta_LKAFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_u08	1	
TrqOvlSta_LKAState_State_M_enum	0	
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	1.39999998	
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	
k_APAIncludeHaptic_Cnt_lgc	1	
k_APAMaxHwTrqTime_Sec_f32	0.601666689	
k_APAMaxHwTrq_HwNm_f32	0	
k_APAMaxVehSpd_Kph_f32	138.600006	
k_ESCMaxVehSpd_Kph_f32	12	
k_HapticAmplitude_MtrNm_f32	0.462000012	
k_HapticDuration_Sec_f32	1.15499997	
k_HapticFreq_Hz_f32	32.3019981	
k_HapticReacttime_Sec_f32	1.23199999	
k_LKAMaxVehSpd_Kph_f32	146.300003	

Name	Input Value	
k_LKAMinVehSpd_Kph_f32	100	
k_MaxHapticReqTime_Sec_f32	0.600000024	
k_SWARLimiter_HwDeg_f32	30	
k_ShiftLevRevTime_Sec_f32	0.308999985	
k_StandstillThresh_Kph_f32	0	
k_StandstillTime_Sec_f32	0	
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	5	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32	
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0	
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0	
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0	
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1	
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-368.230011	
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1	
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	361.01001	
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0	
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1	
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1	
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1	
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1	
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1	
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1	
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	8.10000038	
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1	
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0	
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1	
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	0	
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	1	
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1	
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.200000003	
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	0	
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1	

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	1	1	✓
TrqOvlSta_ESCState_State_M_enum	2	2	✓
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0.00200000009	0.00200000009 ± 1	✓
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0.00200000009	0.00200000009 ± 1	✓
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✓
TrqOvlSta_HapticState_State_M_enum	0	0	✓
TrqOvlSta_Hapticdur_Cnt_M_u16	44450	44450 ± 1	✓

Name	Actual Value	Expected Value	Result
TrqOvlSta_Haptictime_Sec_M_f32	0.00200000009	0.00200000009 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	2.43524981	2.43525004 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	2 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	0	0	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.200000003	0.200000003 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	1	1	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	2	2	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.200000003	0.200000003 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.462000012	0.462000012 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	32.3019981	32.3019981 ± 0.0009765625	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔	
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔	

Test Step 3.73 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	1	
TrqOvlSta_ESCState_State_M_enum	1	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	
TrqOvlSta_HapticState_State_M_enum	0	
TrqOvlSta_Hapticdur_Cnt_M_u16	44450	
TrqOvlSta_Haptictime_Sec_M_f32	0	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-1.64999998	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.419	
TrqOvlSta_LKAFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_u08	1	
TrqOvlSta_LKAState_State_M_enum	0	
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	1.39999998	
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	
k_APAIncludeHaptic_Cnt_lgc	1	
k_APAMaxHwTrqTime_Sec_f32	0.601666689	
k_APAMaxHwTrq_HwNm_f32	0	
k_APAMaxVehSpd_Kph_f32	138.600006	
k_ESCMaxVehSpd_Kph_f32	12	
k_HapticAmplitude_MtrNm_f32	0.462000012	
k_HapticDuration_Sec_f32	1.15499997	
k_HapticFreq_Hz_f32	32.3019981	
k_HapticReacttime_Sec_f32	1.23199999	
k_LKAMaxVehSpd_Kph_f32	146.300003	
k_LKAMinVehSpd_Kph_f32	100	
k_MaxHapticReqTime_Sec_f32	0.600000024	
k_SWARLimiter_HwDeg_f32	30	
k_ShiftLevRevTime_Sec_f32	0.308999985	
k_StandstillThresh_Kph_f32	0	
k_StandstillTime_Sec_f32	0	
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	5	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc	

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-368.230011
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	361.01001
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	8.10000038
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	0
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	1
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.200000003
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	0
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	1	1	✔
TrqOvlSta_ESCState_State_M_enum	2	2	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0.00200000009	0.00200000009 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0.00200000009	0.00200000009 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	44450	44450 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0.00200000009	0.00200000009 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	2.43524981	2.43525004 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	2 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	0	0	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.200000003	0.200000003 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	1	1	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	2	2	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.200000003	0.200000003 ± 0.0009765625	✔

Name	Actual Value	Expected Value	Result
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.462000012	0.462000012 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	32.3019981	32.3019981 ± 0.0009765625	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 3.74 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	1
TrqOvlSta_ESCState_State_M_enum	1
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0
TrqOvlSta_HapticState_State_M_enum	0
TrqOvlSta_Hapticdur_Cnt_M_u16	44450
TrqOvlSta_Haptictime_Sec_M_f32	0
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-1.64999998
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.419
TrqOvlSta_LKAFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	1
TrqOvlSta_LKAState_State_M_enum	0
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	1.39999998
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
k_APAIncludeHaptic_Cnt_lgc	1
k_APAMaxHwTrqTime_Sec_f32	0.601666689
k_APAMaxHwTrq_HwNm_f32	0
k_APAMaxVehSpd_Kph_f32	138.600006
k_ESCMaxVehSpd_Kph_f32	12
k_HapticAmplitude_MtrNm_f32	0.462000012
k_HapticDuration_Sec_f32	1.15499997
k_HapticFreq_Hz_f32	32.3019981
k_HapticReacttime_Sec_f32	1.23199999
k_LKAMaxVehSpd_Kph_f32	146.300003
k_LKAMinVehSpd_Kph_f32	100
k_MaxHapticReqTime_Sec_f32	0.600000024
k_SWARLimiter_HwDeg_f32	30
k_ShiftLevRevTime_Sec_f32	0.308999985
k_StandstillThresh_Kph_f32	0
k_StandstillTime_Sec_f32	0
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	5
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-368.230011
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	361.01001
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	8.10000038
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	0
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	1
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.200000003
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	0
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	1	1	✓
TrqOvlSta_ESCState_State_M_enum	2	2	✓
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0.00200000009	0.00200000009 ± 1	✓
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0.00200000009	0.00200000009 ± 1	✓
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✓
TrqOvlSta_HapticState_State_M_enum	0	0	✓
TrqOvlSta_Hapticdur_Cnt_M_u16	44450	44450 ± 1	✓
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✓
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	2.43524981	2.43525004 ± 0.000009	✓
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✓
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✓
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	2 ± 1	✓
TrqOvlSta_LKAState_State_M_enum	0	0	✓
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.200000003	0.200000003 ± 0.0009765625	✓
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✓
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✓
tgt_TrqOvlSta_Per1_APAState_State_enum.value	1	1	✓
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	2	2	✓
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✓
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	0	0	✓
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✓
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.200000003	0.200000003 ± 0.0009765625	✓
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.462000012	0.462000012 ± 0.0009765625	✓
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✓
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	32.3019981	32.3019981 ± 0.0009765625	✓

Test Step Call Trace					✓
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✓	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✓	
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✓	

Test Step 3.75 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	1
TrqOvlSta_ESCState_State_M_enum	1
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	1
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0
TrqOvlSta_HapticState_State_M_enum	0
TrqOvlSta_Hapticdur_Cnt_M_u16	44450
TrqOvlSta_Haptictime_Sec_M_f32	0
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-1.64999998
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.419
TrqOvlSta_LKAFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	1
TrqOvlSta_LKAState_State_M_enum	0
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	1.39999998
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
k_APAIncludeHaptic_Cnt_lgc	1
k_APAMaxHwTrqTime_Sec_f32	0.601666689
k_APAMaxHwTrq_HwNm_f32	0
k_APAMaxVehSpd_Kph_f32	138.600006
k_ESCMaxVehSpd_Kph_f32	12
k_HapticAmplitude_MtrNm_f32	0.462000012
k_HapticDuration_Sec_f32	1.15499997
k_HapticFreq_Hz_f32	32.3019981
k_HapticReacttime_Sec_f32	1.23199999
k_LKAMaxVehSpd_Kph_f32	146.300003
k_LKAMinVehSpd_Kph_f32	100
k_MaxHapticReqTime_Sec_f32	0.600000024
k_SWARLimiter_HwDeg_f32	30
k_ShiftLevRevTime_Sec_f32	0.308999985
k_StandstillThresh_Kph_f32	0
k_StandstillTime_Sec_f32	0
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	5
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0

Name	Input Value
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-368.230011
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	361.01001
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	8.10000038
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	0
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	1
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.200000003
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	0
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	1	1	✔
TrqOvlSta_ESCState_State_M_enum	2	2	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0.00200000009	0.00200000009 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	1	1 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	1	1	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	0	0 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0.00200000009	0.00200000009 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	2.43524981	2.43525004 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	2 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	0	0	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.200000003	0.200000003 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	1	1	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	2	2	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	1	1	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.200000003	0.200000003 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.462000012	0.462000012 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	32.3019981	32.3019981 ± 0.0009765625	✔

Test Step Call Trace				✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 3.76 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	1	
TrqOvlSta_ESCState_State_M_enum	0	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	1748721	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	79938.1563	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	339324	
TrqOvlSta_HapticState_State_M_enum	1	
TrqOvlSta_Hapticdur_Cnt_M_u16	25475	
TrqOvlSta_Haptictime_Sec_M_f32	186740.953	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-1.64999998	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.419	
TrqOvlSta_LKAFault_Cnt_M_lgc	0	

Name	Input Value
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	2
TrqOvlSta_LKAState_State_M_enum	3
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	29.7999992
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
k_APAIncludeHaptic_Cnt_lgc	1
k_APAMaxHwTrqTime_Sec_f32	0.144999996
k_APAMaxHwTrq_HwNm_f32	6.15999985
k_APAMaxVehSpd_Kph_f32	138.600006
k_ESCMaxVehSpd_Kph_f32	133.699997
k_HapticAmplitude_MtrNm_f32	0.462000012
k_HapticDuration_Sec_f32	1.55999994
k_HapticFreq_Hz_f32	51.8339996
k_HapticReacttime_Sec_f32	1.23199999
k_LKAMaxVehSpd_Kph_f32	146.300003
k_LKAMinVehSpd_Kph_f32	134.75
k_MaxHapticReqTime_Sec_f32	0.600000024
k_SWARLimiter_HwDeg_f32	17.2000008
k_ShiftLevRevTime_Sec_f32	0.308999985
k_StandstillThresh_Kph_f32	3.07999992
k_StandstillTime_Sec_f32	0.308999985
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	3.54999995
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-1029.01001
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	799.659973
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	8.10000038
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0

Name	Input Value		
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1		
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	0.5		
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	500.600006		
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1		
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.150000006		
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-5.9000001		
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1		

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	1	1	✔
TrqOvlSta_ESCState_State_M_enum	3	3	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	79938.1563	79938.1563 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	339324	339324 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	2	2	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	0	0 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-1.64999998	-1.64999998 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	2 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	3	3	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.150000006	0.150000006 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	1	1	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	2	2	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.150000006	0.150000006 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.462000012	0.462000012 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	51.8339996	51.8339996 ± 0.0009765625	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached		1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection		1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached		1	✔

Test Step 3.77 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	1	
TrqOvlSta_ESCState_State_M_enum	0	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	1748721	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	79938.1563	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	339324	
TrqOvlSta_HapticState_State_M_enum	1	
TrqOvlSta_Hapticdur_Cnt_M_u16	25475	
TrqOvlSta_Haptictime_Sec_M_f32	186740.953	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-1.64999998	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.419	
TrqOvlSta_LKAFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	
TrqOvlSta_LKAState_State_M_enum	3	
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	29.7999992	
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	
k_APAIncludeHaptic_Cnt_lgc	1	
k_APAMaxHwTrqTime_Sec_f32	0.144999996	
k_APAMaxHwTrq_HwNm_f32	6.15999985	
k_APAMaxVehSpd_Kph_f32	138.600006	
k_ESCMaxVehSpd_Kph_f32	133.699997	
k_HapticAmplitude_MtrNm_f32	0.462000012	
k_HapticDuration_Sec_f32	1.55999994	
k_HapticFreq_Hz_f32	51.8339996	
k_HapticReacttime_Sec_f32	1.23199999	
k_LKAMaxVehSpd_Kph_f32	146.300003	

Name	Input Value
k_LKAMinVehSpd_Kph_f32	134.75
k_MaxHapticReqTime_Sec_f32	0.600000024
k_SWARLimiter_HwDeg_f32	17.2000008
k_ShiftLevRevTime_Sec_f32	0.308999985
k_StandstillThresh_Kph_f32	3.07999992
k_StandstillTime_Sec_f32	0.308999985
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	3.54999995
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-1029.01001
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	799.659973
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	8.10000038
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	0.5
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	500.600006
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.150000006
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-5.9000001
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	1	1	✓
TrqOvlSta_ESCState_State_M_enum	3	3	✓
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✓
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	✓
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	339324	339324 ± 1	✓
TrqOvlSta_HapticState_State_M_enum	0	0	✓
TrqOvlSta_Hapticdur_Cnt_M_u16	0	0 ± 1	✓

Name	Actual Value	Expected Value	Result
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-1.64999998	-1.64999998 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	2 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	3	3	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.150000006	0.150000006 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	1	1	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.150000006	0.150000006 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.462000012	0.462000012 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	51.8339996	51.8339996 ± 0.0009765625	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔	
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔	

Test Step 3.78 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	1	
TrqOvlSta_ESCState_State_M_enum	0	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	1748721	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	79938.1563	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	339324	
TrqOvlSta_HapticState_State_M_enum	1	
TrqOvlSta_Hapticdur_Cnt_M_u16	25475	
TrqOvlSta_Haptictime_Sec_M_f32	186740.953	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-1.64999998	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.419	
TrqOvlSta_LKAFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	
TrqOvlSta_LKAState_State_M_enum	3	
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	29.7999992	
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	
k_APAIncludeHaptic_Cnt_lgc	1	
k_APAMaxHwTrqTime_Sec_f32	0.144999996	
k_APAMaxHwTrq_HwNm_f32	6.15999985	
k_APAMaxVehSpd_Kph_f32	138.600006	
k_ESCMaxVehSpd_Kph_f32	133.699997	
k_HapticAmplitude_MtrNm_f32	0.462000012	
k_HapticDuration_Sec_f32	1.55999994	
k_HapticFreq_Hz_f32	51.8339996	
k_HapticReacttime_Sec_f32	1.23199999	
k_LKAMaxVehSpd_Kph_f32	146.300003	
k_LKAMinVehSpd_Kph_f32	134.75	
k_MaxHapticReqTime_Sec_f32	0.600000024	
k_SWARLimiter_HwDeg_f32	17.2000008	
k_ShiftLevRevTime_Sec_f32	0.308999985	
k_StandstillThresh_Kph_f32	3.07999992	
k_StandstillTime_Sec_f32	0.308999985	
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	3.54999995	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc	

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-1029.01001
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	799.659973
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	8.10000038
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	0.5
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	500.600006
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.150000006
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-5.9000001
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	1	1	✔
TrqOvlSta_ESCState_State_M_enum	3	3	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	79938.1563	79938.1563 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	339324	339324 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	0	0 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-1.64999998	-1.64999998 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	2 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	3	3	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.150000006	0.150000006 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	1	1	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.150000006	0.150000006 ± 0.0009765625	✔

Name	Actual Value	Expected Value	Result
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.462000012	0.462000012 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	51.8339996	51.8339996 ± 0.0009765625	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**	**Count**	**Result**	
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔	
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔	

Test Step 3.79 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	1	
TrqOvlSta_ESCState_State_M_enum	0	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	1748721	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	79938.1563	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	339324	
TrqOvlSta_HapticState_State_M_enum	1	
TrqOvlSta_Hapticdur_Cnt_M_u16	0	
TrqOvlSta_Haptictime_Sec_M_f32	186740.953	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-1.64999998	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.419	
TrqOvlSta_LKAFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	
TrqOvlSta_LKAState_State_M_enum	3	
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	29.7999992	
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	
k_APAIncludeHaptic_Cnt_lgc	1	
k_APAMaxHwTrqTime_Sec_f32	0.144999996	
k_APAMaxHwTrq_HwNm_f32	6.15999985	
k_APAMaxVehSpd_Kph_f32	138.600006	
k_ESCMaxVehSpd_Kph_f32	133.699997	
k_HapticAmplitude_MtrNm_f32	0.462000012	
k_HapticDuration_Sec_f32	1.55999994	
k_HapticFreq_Hz_f32	51.8339996	
k_HapticReacttime_Sec_f32	1.23199999	
k_LKAMaxVehSpd_Kph_f32	146.300003	
k_LKAMinVehSpd_Kph_f32	134.75	
k_MaxHapticReqTime_Sec_f32	0.600000024	
k_SWARLimiter_HwDeg_f32	17.2000008	
k_ShiftLevRevTime_Sec_f32	0.308999985	
k_StandstillThresh_Kph_f32	3.07999992	
k_StandstillTime_Sec_f32	0.308999985	
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	3.54999995	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum	

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-1029.01001
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	799.659973
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	8.10000038
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	0.5
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	500.600006
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.150000006
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-5.9000001
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	1	1	✓
TrqOvlSta_ESCState_State_M_enum	3	3	✓
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✓
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	79938.1563	79938.1563 ± 1	✓
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	339324	339324 ± 1	✓
TrqOvlSta_HapticState_State_M_enum	1	1	✓
TrqOvlSta_Hapticdur_Cnt_M_u16	1	1 ± 1	✓
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✓
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-1.64999998	-1.64999998 ± 0.000009	✓
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	✓
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✓
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	2 ± 1	✓
TrqOvlSta_LKAState_State_M_enum	3	3	✓
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.150000006	0.150000006 ± 0.0009765625	✓
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✓
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✓
tgt_TrqOvlSta_Per1_APAState_State_enum.value	1	1	✓
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	✓
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	1	1	✓
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	3	3	✓
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✓
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.150000006	0.150000006 ± 0.0009765625	✓
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.462000012	0.462000012 ± 0.0009765625	✓
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	1	1 ± 1	✓
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	51.8339996	51.8339996 ± 0.0009765625	✓

Test Step Call Trace					✓
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached		1	✓
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection		1	✓
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached		1	✓

Test Step 3.80 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	1
TrqOvlSta_ESCState_State_M_enum	4
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	2224203
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	91133.6797
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	430968
TrqOvlSta_HapticState_State_M_enum	2
TrqOvlSta_Hapticdur_Cnt_M_u16	45000
TrqOvlSta_Haptictime_Sec_M_f32	228811.703
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-2.70000005
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.507000029
TrqOvlSta_LKAFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	2
TrqOvlSta_LKAState_State_M_enum	2
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	49.4000015
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0
k_APAIncludeHaptic_Cnt_lgc	1
k_APAMaxHwTrqTime_Sec_f32	0.298999995
k_APAMaxHwTrq_HwNm_f32	9.27999973
k_APAMaxVehSpd_Kph_f32	208.800003
k_ESCMaxVehSpd_Kph_f32	30.3999996
k_HapticAmplitude_MtrNm_f32	0.460000008
k_HapticDuration_Sec_f32	1.74000001
k_HapticFreq_Hz_f32	59.0299988
k_HapticReacttime_Sec_f32	1.85599995
k_LKAMaxVehSpd_Kph_f32	20
k_LKAMinVehSpd_Kph_f32	203
k_MaxHapticReqTime_Sec_f32	0.239999995
k_SWARLimiter_HwDeg_f32	21.3999996
k_ShiftLevRevTime_Sec_f32	0.0610000007
k_StandstillThresh_Kph_f32	4.63999987
k_StandstillTime_Sec_f32	0
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-6.3499999
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0

Name	Input Value
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-887.609985
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	868.820007
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	-8.60000038
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	0
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	123.599998
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.189999998
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	16.5
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	1	1	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	430968	430968 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	0	0 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-2.70000005	-2.70000005 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	3	3 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	3	3	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.189999998	0.189999998 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	1	1	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.189999998	0.189999998 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.460000008	0.460000008 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	59.0299988	59.0299988 ± 0.0009765625	✔

Test Step Call Trace					✔
Actual Function	Count	**Expected Function**	Count	Result	
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔	
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔	

Test Step 3.81 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	1	
TrqOvlSta_ESCState_State_M_enum	4	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	2224203	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	91133.6797	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	430968	
TrqOvlSta_HapticState_State_M_enum	2	
TrqOvlSta_Hapticdur_Cnt_M_u16	45000	
TrqOvlSta_Haptictime_Sec_M_f32	228811.703	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-2.70000005	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.507000029	
TrqOvlSta_LKAFault_Cnt_M_lgc	0	

Name	Input Value
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	2
TrqOvlSta_LKAState_State_M_enum	2
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	49.4000015
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0
k_APAIncludeHaptic_Cnt_lgc	1
k_APAMaxHwTrqTime_Sec_f32	0.298999995
k_APAMaxHwTrq_HwNm_f32	9.27999973
k_APAMaxVehSpd_Kph_f32	208.800003
k_ESCMaxVehSpd_Kph_f32	30.3999996
k_HapticAmplitude_MtrNm_f32	0.460000008
k_HapticDuration_Sec_f32	1.74000001
k_HapticFreq_Hz_f32	59.0299988
k_HapticReacttime_Sec_f32	1.85599995
k_LKAMaxVehSpd_Kph_f32	20
k_LKAMinVehSpd_Kph_f32	203
k_MaxHapticReqTime_Sec_f32	0.239999995
k_SWARLimiter_HwDeg_f32	21.3999996
k_ShiftLevRevTime_Sec_f32	0.0610000007
k_StandstillThresh_Kph_f32	4.63999987
k_StandstillTime_Sec_f32	0
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-6.3499999
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-887.609985
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	868.820007
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	-8.60000038
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0

Name	Input Value		
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0		
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	0		
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	123.599998		
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1		
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.189999998		
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	16.5		
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0		

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	1	1	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	430968	430968 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	0	0 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-2.70000005	-2.70000005 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	3	3 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	3	3	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.189999998	0.189999998 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	1	1	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.189999998	0.189999998 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.460000008	0.460000008 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	59.0299988	59.0299988 ± 0.0009765625	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached		1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection		1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached		1	✔

Test Step 3.82 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	1	
TrqOvlSta_ESCState_State_M_enum	4	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	2224203	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	91133.6797	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	430968	
TrqOvlSta_HapticState_State_M_enum	2	
TrqOvlSta_Hapticdur_Cnt_M_u16	45000	
TrqOvlSta_Haptictime_Sec_M_f32	228811.703	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-2.70000005	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.507000029	
TrqOvlSta_LKAFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	
TrqOvlSta_LKAState_State_M_enum	2	
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	49.4000015	
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	
k_APAIncludeHaptic_Cnt_lgc	1	
k_APAMaxHwTrqTime_Sec_f32	0.298999995	
k_APAMaxHwTrq_HwNm_f32	9.27999973	
k_APAMaxVehSpd_Kph_f32	208.800003	
k_ESCMaxVehSpd_Kph_f32	30.3999996	
k_HapticAmplitude_MtrNm_f32	0.460000008	
k_HapticDuration_Sec_f32	1.74000001	
k_HapticFreq_Hz_f32	59.0299988	
k_HapticReacttime_Sec_f32	1.85599995	
k_LKAMaxVehSpd_Kph_f32	20	

Name	Input Value
k_LKAMinVehSpd_Kph_f32	203
k_MaxHapticReqTime_Sec_f32	0.239999995
k_SWARLimiter_HwDeg_f32	21.3999996
k_ShiftLevRevTime_Sec_f32	0.0610000007
k_StandstillThresh_Kph_f32	4.63999987
k_StandstillTime_Sec_f32	0
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-6.3499999
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-887.609985
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	868.820007
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	-8.60000038
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	0
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	123.599998
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.189999998
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	16.5
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	2	2	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	91133.6797	91133.6797 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	430968	430968 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	0	0	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	0	0 ± 1	✔

Name	Actual Value	Expected Value	Result
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-2.70000005	-2.70000005 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	3	3 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	3	3	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	49.4000015	49.4000015 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	2	2	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	49.4000015	49.4000015 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.460000008	0.460000008 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	59.0299988	59.0299988 ± 0.0009765625	✔

Test Step Call Trace					✔
Actual Function	**Count**	**Expected Function**		**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached		1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection		1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached		1	✔

Test Step 3.83 (Repeat Count = 1)		✔
Name	**Input Value**	
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	1	
TrqOvlSta_ESCState_State_M_enum	4	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	2224203	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	91133.6797	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	430968	
TrqOvlSta_HapticState_State_M_enum	2	
TrqOvlSta_Hapticdur_Cnt_M_u16	0	
TrqOvlSta_Haptictime_Sec_M_f32	228811.703	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-2.70000005	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.507000029	
TrqOvlSta_LKAFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	
TrqOvlSta_LKAState_State_M_enum	2	
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	49.4000015	
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	
k_APAIncludeHaptic_Cnt_lgc	1	
k_APAMaxHwTrqTime_Sec_f32	0.298999995	
k_APAMaxHwTrq_HwNm_f32	9.27999973	
k_APAMaxVehSpd_Kph_f32	208.800003	
k_ESCMaxVehSpd_Kph_f32	30.3999996	
k_HapticAmplitude_MtrNm_f32	0.460000008	
k_HapticDuration_Sec_f32	1.74000001	
k_HapticFreq_Hz_f32	59.0299988	
k_HapticReacttime_Sec_f32	1.85599995	
k_LKAMaxVehSpd_Kph_f32	20	
k_LKAMinVehSpd_Kph_f32	203	
k_MaxHapticReqTime_Sec_f32	0.239999995	
k_SWARLimiter_HwDeg_f32	21.3999996	
k_ShiftLevRevTime_Sec_f32	0.0610000007	
k_StandstillThresh_Kph_f32	4.63999987	
k_StandstillTime_Sec_f32	0	
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-6.3499999	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc	

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-887.609985
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	868.820007
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	-8.60000038
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	0
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	123.599998
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.189999998
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	16.5
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	1	1	✔
TrqOvlSta_ESCState_State_M_enum	4	4	✔
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	91133.6797	91133.6797 ± 1	✔
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	430968	430968 ± 1	✔
TrqOvlSta_HapticState_State_M_enum	2	2	✔
TrqOvlSta_Hapticdur_Cnt_M_u16	1	1 ± 1	✔
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	✔
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-2.70000005	-2.70000005 ± 0.000009	✔
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	✔
TrqOvlSta_LKAPermFault_Cnt_M_u08	3	3 ± 1	✔
TrqOvlSta_LKAState_State_M_enum	3	3	✔
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.189999998	0.189999998 ± 0.0009765625	✔
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_APAState_State_enum.value	1	1	✔
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✔
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	2	2	✔
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	3	3	✔
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✔
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.189999998	0.189999998 ± 0.0009765625	✔

Name	Actual Value	Expected Value	Result
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.460000008	0.460000008 ± 0.0009765625	✔
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✔
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	59.0299988	59.0299988 ± 0.0009765625	✔

Test Step Call Trace ✔

Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✔
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✔
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✔

Test Step 3.84 (Repeat Count = 1) ✔

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	1
TrqOvlSta_ESCState_State_M_enum	1
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0
TrqOvlSta_HapticState_State_M_enum	0
TrqOvlSta_Hapticdur_Cnt_M_u16	44450
TrqOvlSta_Haptictime_Sec_M_f32	0
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-1.64999998
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.419
TrqOvlSta_LKAFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	1
TrqOvlSta_LKAState_State_M_enum	0
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	1.39999998
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
k_APAIncludeHaptic_Cnt_lgc	1
k_APAMaxHwTrqTime_Sec_f32	0.601666689
k_APAMaxHwTrq_HwNm_f32	0
k_APAMaxVehSpd_Kph_f32	138.600006
k_ESCMaxVehSpd_Kph_f32	12
k_HapticAmplitude_MtrNm_f32	0.462000012
k_HapticDuration_Sec_f32	1.15499997
k_HapticFreq_Hz_f32	32.3019981
k_HapticReacttime_Sec_f32	1.23199999
k_LKAMaxVehSpd_Kph_f32	146.300003
k_LKAMinVehSpd_Kph_f32	100
k_MaxHapticReqTime_Sec_f32	0.600000024
k_SWARLimiter_HwDeg_f32	0
k_ShiftLevRevTime_Sec_f32	0.308999985
k_StandstillThresh_Kph_f32	0
k_StandstillTime_Sec_f32	0.308999985
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	5
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum

Name	Input Value
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-388.230011
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	361.01001
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	8.10000038
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	1
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	1
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.200000003
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	0
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	1

Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	0	0	✓
TrqOvlSta_ESCState_State_M_enum	2	2	✓
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0.00200000009	0.00200000009 ± 1	✓
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0.00200000009	0.00200000009 ± 1	✓
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0.00200000009 ± 1	✓
TrqOvlSta_HapticState_State_M_enum	0	0	✓
TrqOvlSta_Hapticdur_Cnt_M_u16	44450	44450 ± 1	✓
TrqOvlSta_Haptictime_Sec_M_f32	0.00200000009	0.00200000009 ± 1	✓
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	2.43524981	2.43525004 ± 0.000009	✓
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	✓
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✓
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	2 ± 1	✓
TrqOvlSta_LKAState_State_M_enum	0	0	✓
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.200000003	0.200000003 ± 0.0009765625	✓
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	✓
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✓
tgt_TrqOvlSta_Per1_APAState_State_enum.value	0	0	✓
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	2	2	✓
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	✓
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	0	0	✓
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	✓
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.200000003	0.200000003 ± 0.0009765625	✓
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.462000012	0.462000012 ± 0.0009765625	✓
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✓
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	32.3019981	32.3019981 ± 0.0009765625	✓

Test Step Call Trace				✓
Actual Function	**Count**	**Expected Function**	**Count**	**Result**
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	✓
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✓
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	✓