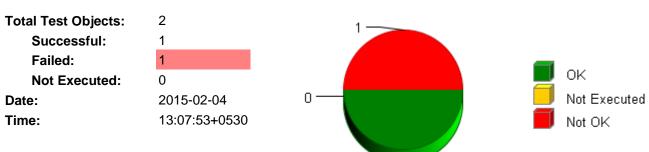




Overall Test Object Results (including Coverage)



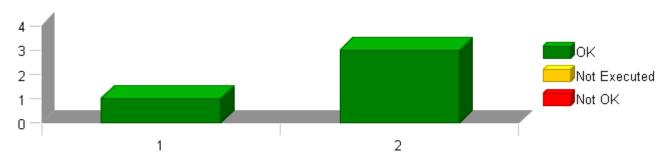
Selected Project Items

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

Used Test Environments

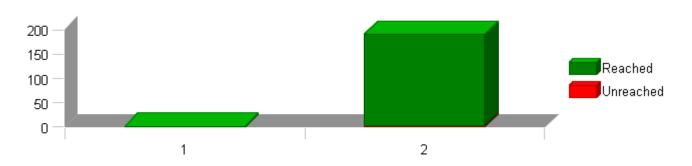
TI TMS 570 PLS UDE (Default)

Test Case Results for Each Test Object (without Coverage)



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

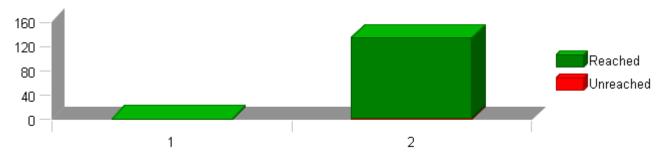
Statement (C0) Coverage: Total Statements for Each Test Object





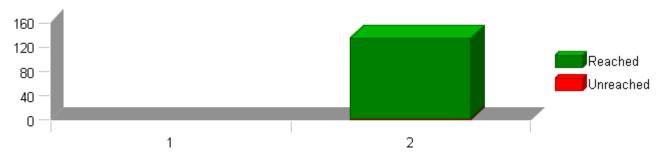
The table above shows each test object on the x axis and the number of statements of the respective test object on the y axis. Each bar is divided into reached statements (i.e. statements that have been executed during the test) and unreached statements.

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



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

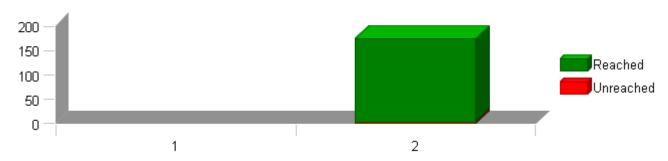
Decision Coverage: Total Decision Outcomes for Each Test Object



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

Each bar is divided into reached and unreached decision outcomes.

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

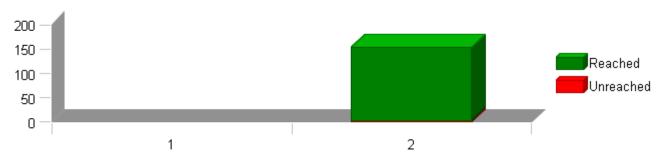


The table above shows test objects on the x axis and the number of condition combinations of all decisions of the respective test object on the y axis. The number of condition combinations is based on the number of boolean conditions within each decision of the test object. To achieve full MC/DC coverage,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

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



MCC Coverage: Total Condition Combinations for Each Test Object



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

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

TEST OVERVIEW REPORT

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Test Object List

Project CBD_UnitTest

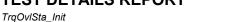
The following table lists all test objects with their test case and coverage results. The cumulated results for modules, folders and test collections are also displayed, the indentation within the name column indicates the parent relationship of the elements.

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	×

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 Project
 CBD_UnitTest

 Module
 TrqOvISta_FLTINJ

 Test Object
 TrqOvISta_Init

Instrumentation: Test Object Only

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

Statistics

Total Testcases	1	
Successful	1	9
Guococciai		· ·
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)\TrqOvIsta\utp\contract\Ap_TrqOvIsta -I\$(PROJECTROOT)\NxtrLib\include -I \$ (PROJECTROOT)\StdDef\include -I\$ (ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5\include

Comments/Description/Specification Module 'TrqOvISta_FLTINJ' Name of Tester:Imran desail 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 ""TrqOvlSta_ESCState_State_M_enum"",""TrqOvlSta_HapticState_State_M_enum"",""ESCState_State_enum""and""GMOSHOscillateState_Stat ""IrqOvISta_ESCState_State_M_enum";""IrqOvISta_HapticState_State_M_enum";""ESCState_State_enum"''and":GMOSHOscill: is going Out of Range. NOTE 5:-In function ""TrqOvISta_Per1"";100% MCDC coverage is not achieved because (TrqOvISta_APAState_State_M_enum == APA_Active)=>True and (PosTrajEnable_Cnt_T_gC == FALSE)=>False cannot be covered as control goes to if loop. NOTE 6:-When value of 'TrqOvISta_KAPermFault_Cnt_M_u08' is greater than three, then the value of 'TrqOvISta_KAPermFault_Cnt_M_igc' 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				

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TrqOvlSta_Init



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\Trq0vlSta_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
TS1.8 115.00 Cycles
TS1.9 115.00 Cycles
TS1.10 115.00 Cycles
TS1.11 115.00 Cycles
TS1.11 115.00 Cycles
TS1.11 115.00 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= RG
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

TS1.12ALL MIN TS1.13ALL MAX

Test Step 1.1	(Repeat Co	ount = 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	0.10000001		
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)			V
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	✓



TrqOvlSta_Init

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	Resul
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	0.34299995			
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	~

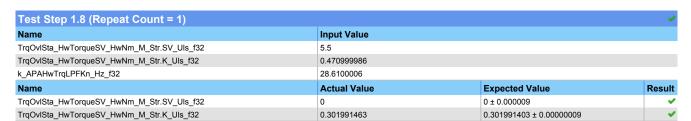
Test Step 1.7 (Repeat Count = 1)				
Name	Input Value			
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-5.5			
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.407000005			
k_APAHwTrqLPFKn_Hz_f32	20			
Name	Actual Value	Expected Value	Result	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0	0 ± 0.000009	~	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32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

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

TrqOvISta_Init







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				V
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	0.0099999978		
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	0.10000001		
Name	Actual Value	Expected Value	Result
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0	0 ± 0.000009	✓

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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	~

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 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 Name	Text
Module 'TrqOvlSta_FLTINJ'	**************************************
	Name of Tester:Imran desai Code File(s) Under Test:Ap_TrqOvISta_c Code File(s) Version:8 Module Design Document:TrqOvISta_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):44 Total CALS Used (Bytes):55 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 ""TrqOvISta_Per1"", for 100% path coverage, Variable ""TrqOvISta_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_State_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_u08' is greater than three, then the value of 'TrqOvlSta_LKAPermFault_Cnt_M_igc' 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."

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TrqOvlSta_Per1

Test Object	'TraOvISta	Dor1'

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	<pre>\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd</pre>
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\Trq0vlSta_CBD\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP



```
Test Case 1: Metrics Test
```

Specification

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

TS1.1 1117.00 Cycles TS1.2 1291.00 Cycles

Description

Vector Description:

IS1.1"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
(TrqOvISta_HapticState_State_M_enum!= Haptic_Inactive)=>TRUE
(HwTrqFilt_HwNm_T_f32 >= k_APAMaxHwTrq_HwNm_f32)=>FALSE
((LKAFault_Cnt_T_lgc == TRUE) && (TrqOvISta_LKAPermFault_Cnt_M_lgc == FALSE) && (TrqOvISta_LKAFault_Cnt_M_lgc == FALSE) =>FALSE
(TrqOvISta_LKAMf6EnableTvH_Cnt_G_lgc == FALSE) => FALSE

(TrqOvISta_LKAMfgEnableTyH_Cnt_G_lgc ==FALSE)=>FALSE (TrqOvISta_APAMfgEnableTyH_Cnt_G_lgc ==TRUE)=>FALSE Select (TrqOvISta_APAState_State_M_enum)

Case: Default

Select (TrqOvISta LKAState State M enum)

Case: Default

(TrqOvlSta_HapticState_State_M_enum==Haptic_Active)=>TRUE

(TrqOvISta_APAState_State_M_enum==APA_Active)=>FALSE

```
TS1.2"Longest Excution Path==>
(LKARequest_Cnt_T_f32 > D_ZERO_ULS_F32)=> FALSE
(HapticRequest_Cnt_T_g2 == 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_StandstillTime_Sec_M_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
  FALSE))=>TRUE
 (TrqOvISta_LKAMfgEnableTyH_Cnt_G_lgc ==FALSE)=>FALSE
(TrqOvISta_APAMfgEnableTyH_Cnt_G_lgc ==TRUE)=>FALSE
Select (TrqOvISta_APAState_State_M_enum)
 Case(APA_AvailCntrl):
 Case(AFA_Availoriti),

(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 (TrqOvISta_HapticState_State_M_enum)
 Case(Haptic_Inactive):

((HapticRequest_Cnt_T_Igc==FALSE) && (TrqOvlSta_ReadytoPulse_Cnt_M_Igc==FALSE))=>FALSE

(TrqOvlSta_ReadytoPulse_Cnt_M_Igc== TRUE)=>FALSE

((StandstillTime_Cnt_T_Igc==TRUE) && (APARequest_Cnt_T_Igc
 ==TRUE)&&(HapticRequest_Cnt_T_lgc==TRUE)&&(ShiftLevRevTime_Cnt_T_lgc==TRUE))=>FALSE (HapticRequest_Cnt_T_lgc==TRUE)=>TRUE Select (TrqOvISta_LKAState_State_M_enum):
 DEFAULT
 (TrqOvISta_HapticState_State_M_enum==Haptic_Active)
 (TrgOvISta APAState State
                                                                                      M enum==APA Active)=>FALSE
```

Test Step 1.1 (Repeat Count = 1) $Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)$ tgt Rte Call Ap TrgOvlSta FaultInjection SCom FltInjection Sign Rte_Inst_Ap_TrqOvlSta tgt_Rte_Inst_Ap_TrqOvlSta TrgOvlSta APAState State M enum TrqOvlSta_ESCState_State_M_enum 4 TrgOvISta ElapsedAPAMaxHwTrgTime Sec M f32 34667.4219 TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32 5450

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TrqOvlSta_Per1



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_UIs_f32 TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_UIs_f32	5.69000006 0.0890000015
TrqOvISta_LKAFault_Cnt_M_lgc	0
TrqOvISta_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 k_APAMaxVehSpd_Kph_f32	3.75999999 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 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_Igenerated and the property of the $	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_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_APAState_State_enum tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvISta_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_ESClsLimited_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_Igc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc tgt TrqOvlSta Per1 GMOSH ESCMfqEnable Cnt lgc
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvISta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt TrqOvlSta Per1 HapticRequest Cnt Igc
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_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32 tgt TrqOvlSta Per1 PosServEnable Cnt lgc
tgt Rte Inst Ap TrqOvISta.TrqOvISta Per1 PosSrvoHwAngle HwDeg f32	tgt TrqOvISta Per1 PosSrvoHwAngle HwDeg f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_Igc	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_ShiftLeverlsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc
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_Igc	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 tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1
tgt_frqOvlSta_Per1_APARecoverableFaults_Cht_igc.value tgt_frqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvIsta_Per1_CCWFound_Cnt_Igc.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

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TrqOvlSta_Per1

TrqOviSta_Per1		(OZ	2010ab
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_ShiftLeverlsInReverse_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	~

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	✓

3.25 ± 0.0009765625

3.25

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

 $tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value$

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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
C_HapticReacttime_Sec_f32	1.23199999
c_LKAMaxVehSpd_Kph_f32	146.300003
<_LKAMinVehSpd_Kph_f32	1
C_MaxHapticReqTime_Sec_f32	0.600000024
c_SWARLimiter_HwDeg_f32	0
<pre>s_ShiftLevRevTime_Sec_f32</pre>	0.308999985
x_StandstillThresh_Kph_f32	0
s_StandstillTime_Sec_f32	0.308999985
gt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	0
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_Ig	
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_APARequest_Cnt_Igc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_APAState_State_enum	tgt_TrqOviSta_Per1_APAState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvISta_Per1_CCWFound_Cnt_Igc tgt_TrqOvISta_Per1_CCWPosition_HwDeg_f32
gt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_CCWPosition_HwDeg_f32 gt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32 tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
gt_Rte_inst_Ap_TrqOviSta.TrqOviSta_Per1_CWPouitid_Crit_igc gt_Rte_inst_Ap_TrqOviSta.TrqOviSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvISta_Per1_CWPosition_HwDeg_f32
gt_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOviSta_Fei1_CWFosition_nwbeg_isz
gt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_ESCIsLimited_Cnt_Igc gt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_ESCIsLimited_Cnt_Igc	tgt_TrqOvISta_Per1_ESCIsLimited_Cnt_Igc
gt_Rte_Inst_Ap_TrqOvIsta.TrqOvIsta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOviSta_Per1_ESCRequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
gt Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 GMOSHOscillateState State enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
gt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
gt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
gt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
gt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
gt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-388.230011
gt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
gt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	361.01001 0
gt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value gt_TrqOvlSta_Per1_ESClsLimited_Cnt_lgc.value	1
gt_IrqOviSta_Peri_ESCisLimited_Cnt_igc.value gt_TrqOviSta_Per1_ESCRequest_Cnt_igc.value	1
gt_TrqOvlSta_Per1_ESCRequest_Crit_igc.value gt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_igc.value	1
gt_TrqOvlSta_Per1_GMOSH_APAMilgEnable_Cnt_lgc.value gt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
gt_TrqOvlSta_Per1_GMOSH_ESCWilgEnable_Cnt_lgc.value	1
gt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
gt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	8.10000038
gt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
gt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
gt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	
gt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	0
gt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	1
- · · · · · · · · · · · · · · · · ·	1
gt TrqOvlSta Per1 PosTrajEnable Cnt lqc.value	
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.200000003

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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	0.0020000009	0.00200000009 ± 1	~
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0.0020000009	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	~

TrqOvlSta_Per1

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Test Case 2: Boundary Test

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

TrqOvlSta_Per1



Specification

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

CPU Cvcles:

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 TS2.9 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
TS2.16 1121.00 Cycles
TS2.17 1127.00 Cycles TS2.17 1127.00 Cycles TS2.18 1124.00 Cycles TS2.19 1131.00 Cycles TS2.20 1136.00 Cycles TS2.20 1136.00 Cycles TS2.21 1126.00 Cycles TS2.22 1154.00 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 TS2.31 1161.00 Cycles TS2.32 111900 Cycles TS2.33 1134.00 Cycles TS2.33 1134.00 Cycles TS2.34 1142.00 Cycles TS2.35 1146.00 Cycles TS2.36 1126.00 Cycles TS2.36 1126.00 Cycles TS2.38 1140.00 Cycles TS2.39 1143.00 Cycles TS2.40 1122.00 Cycles TS2.41 1122.00 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 TS2.47 1139.00 Cycles TS2.33 1134.00 Cycles TS2.45 1142.00 Cycles TS2.46 1139.00 Cycles TS2.47 1139.00 Cycles TS2.48 1134.00 Cycles TS2.50 1127.00 Cycles TS2.50 1127.00 Cycles TS2.51 1130.00 Cycles TS2.52 1132.00 Cycles TS2.51 1130.00 Cycles
TS2.52 1132.00 Cycles
TS2.53 1147.00 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
TS2.59 1165.00 Cycles
TS2.59 1165.00 Cycles
TS2.61 1121.00 Cycles
TS2.62 1166.00 Cycles
TS2.63 1124.00 Cycles
TS2.64 1147.00 Cycles
TS2.65 1174.00 Cycles
TS2.66 1125.00 Cycles
TS2.67 1141.00 Cycles
TS2.69 1124.00 Cycles
TS2.69 1124.00 Cycles
TS2.70 1145.00 Cycles
TS2.71 1124.00 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
TS2.77 1128.00 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 TS2.83 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 TS2.88 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 TS2.99 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 TS2.105 1135.00 Cycles TS2.107 1170.00 Cycles TS2.108 1122.00 Cycles TS2.109 1133.00 Cycles

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TrqOvlSta_Per1



TS2.110 1115.00 Cycles
TS2.111 1136.00 Cycles
TS2.113 1127.00 Cycles
TS2.113 1127.00 Cycles
TS2.114 1127.00 Cycles
TS2.115 1131.00 Cycles
TS2.116 1115.00 Cycles
TS2.116 1115.00 Cycles
TS2.117 1145.00 Cycles
TS2.118 1115.00 Cycles
TS2.119 1131.00 Cycles
TS2.121 1122.00 Cycles
TS2.121 1122.00 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
TS2.125 1131.00 Cycles
TS2.126 1124.00 Cycles
TS2.127 1133.00 Cycles
TS2.128 1115.00 Cycles
TS2.129 1140.00 Cycles
TS2.129 1140.00 Cycles
TS2.129 1140.00 Cycles
TS2.131 115.00 Cycles
TS2.131 115.00 Cycles
TS2.131 115.00 Cycles
TS2.131 1122.00 Cycles
TS2.131 1122.00 Cycles
TS2.131 115.00 Cycles
TS2.141 115.00 Cycles
TS2.141 115.00 Cycles
TS2.142 115.00 Cycles
TS2.143 1145.00 Cycles
TS2.144 1115.00 Cycles
TS2.145 1130.00 Cycles
TS2.146 1128.00 Cycles
TS2.147 1120.00 Cycles
TS2.148 1115.00 Cycles
TS2.149 1136.00 Cycles
TS2.149 1136.00 Cycles
TS2.141 115.00 Cycles
TS2.141 115.00 Cycles
TS2.143 1145.00 Cycles
TS2.144 115.00 Cycles
TS2.151 1145.00 Cycles
TS2.151 1141.00 Cycles
TS2.152 1141.00 Cycles
TS2.153 1140.00 Cycles
TS2.156 1150.00 Cycles
TS2.156 1150.00 Cycles
TS2.161 1144.00 Cycl





Description Vector Description:

TrqOvlSta_Per1

TS2.1APANonRecoverableFaults_Cnt_lgc = MIN TS2.2APANonRecoverableFaults_Cnt_lgc = MAX TS2.2APANonRecoverableFaults_Cnt_lgc = MIN
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 = MIN
TS2.9ShiftLeverIsInReverse_Cnt_lgc = MIN
TS2.10ShiftLeverIsInReverse_Cnt_lgc = MAX
TS2.11 KAFault_Cnt_lgc = MIN TS2.11LKAFault_Cnt_lgc = MIN TS2.11LKAFault_Cnt_lgc = MIN
TS2.12LKAFault_Cnt_lgc = MAX
TS2.13LKAInhibit_Cnt_lgc = MIN
TS2.14LKAInhibit_Cnt_lgc = MIN
TS2.15LKARequest_Cnt_lgc = MIN
TS2.16LKARequest_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
TS2.22TrnOvISta_HanticState_State_N 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 TS2.29TrqOvISta_LKAState_State_Menum = LKA_ManufacturingDisable
TS2.39TrqOvISta_APAState_State_M_enum = APA_TempInhibit
TS2.31TrqOvISta_APAState_State_M_enum = APA_AvailCntrl
TS2.32TrqOvISta_APAState_State_M_enum = APA_Active
TS2.33TrqOvISta_APAState_State_M_enum = APA_PermanentlyFailed
TS2.33TrqOvISta_APAState_State_M_enum = APA_ManufacturingDisable
TS2.34TrqOvISta_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 TS2.38TrqOvISta_ElapsedShiftLevRevTime_Sec_M_f32 = MIN TS2.39TrqOvISta_ElapsedShiftLevRevTime_Sec_M_f32= MAX TS2.40TrqOvISta_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 IS2.46 I rQOVISta_LiapsedAPAMAXHW I rq I ime_Sec_M_132
TS2.47 I rqOVISta_HwTorqueSV_HwNm_M_Str.SV = MIN
TS2.48 I rqOVISta_HwTorqueSV_HwNm_M_Str.SV = MAX
TS2.49 I rqOVISta_HwTorqueSV_HwNm_M_Str.SV = ZERO
TS2.50 I rqOVISta_HwTorqueSV_HwNm_M_Str.SV = POS
TS2.51 I rqOVISta_HwTorqueSV_HwNm_M_Str.SV = NEG
TS2.52 I rqOVISta_HwTorqueSV_HwNm_M_Str.K = MIN
TS2.53 I rqOVISta_HwTorqueSV_HwNm_M_Str.K = MAX TS2.54TrqOvISta_HwTorqueSV_HwNm_M_Str.K = POS TS2.55TrqOvISta_LKAPermFault_Cnt_M_lgc = MIN TS2.56TrqOvISta_LKAPermFault_Cnt_M_lgc= MAX TS2.57TrqOvISta_LKAFault_Cnt_M_lgc = MIN TS2.57TrqOvISta_LKAFault_Cnt_M_lgc = MIN TS2.58TrqOvISta_LKAFault_Cnt_M_lgc = MAX TS2.59TrqOvISta_LKAPermFault_Cnt_M_u08 = MIN TS2.60TrqOvISta_LKAPermFault_Cnt_M_u08 = MAX TS2.61TrqOvISta_LKAPermFault_Cnt_M_u08 = POS TS2.62TrqOvISta_ReadytoPulse_Cnt_M_igc = MIN TS2.63TrqOvISta_ReadytoPulse_Cnt_M_igc= MAX TS2.64TrqOvISta_Hapticdur_Cnt_M_u16 = MIN TS2.65TrqOvISta_Hapticdur_Cnt_M_u16= MAX TS2.66TrqOvISta_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_132 = MiN
TS2.83k_APAMaxHwTrqTime_Sec_132 = MAX
TS2.84k_APAMaxHwTrqTime_Sec_132 = POS
TS2.85k_APAMaxVehSpd_Kph_132 = MIN
TS2.86k_APAMaxVehSpd_Kph_132 = MAX
TS2.87k_APAMaxVehSpd_Kph_132 = POS
TS2.88k_HapticDuration_Sec_132 = 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
IS2.114ESCRequest_Cnt_lgc=FALSE
TS2.115ESCRequest_Cnt_lgc=TRUE
TS2.115ESCFault_Cnt_lgc=FALSE
TS2.117ESCFault_Cnt_lgc=TRUE
TS2.118ESCISLimited_Cnt_lgc=FALSE
TS2.119ESCISLimited_Cnt_lgc=FRUE
TS2.120CWFound_Cnt_lgc=FALSE
TS2.121CWFound_Cnt_lgc=TRUE
TS2.123CCWFound_Cnt_lgc=FALSE
TS2.123CCWFound_Cnt_lgc=FALSE
TS2.123CCWFound_Cnt_lgc=TRUE
IS2.123CCWFound_Cnt_Igc=1RUE
TS2.124PoSTrajHwAngle_HwDeg_f32=Min
TS2.125PoSTrajHwAngle_HwDeg_f32=Max
TS2.125PoSTrajHwAngle_HwDeg_f32=Pos
TS2.127SWARTrgtAngRequest_HwDeg_f32=Min
TS2.128SWARTrgtAngRequest_HwDeg_f32=Max
TS2.129SWARTrgtAngRequest_HwDeg_f32=Pos
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
IS2.139CCWPosition_Hwbeg_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=FALSE
TS2.144GMOSH_ESCMfgEnable_Cnt_lgc=TRUE
TS2.145GMOSH_ESCMfgEnable_Cnt_lgc=TRUE
TS2.145TrqOvlSta_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
TS2.157TrqOvISta_PosSrvoHwAngle_HwDeg_M_f32=Min
TS2.157TrqOvISta_PosSrvoHwAngle_HwDeg_M_f32=Max
TS2.158TrqOvISta_PosSrvoHwAngle_HwDeg_M_f32=Pos
TS2.160Rte_Call_FaultInjection_SCom_FitInjection=Min
TS2.161Rte_Call_FaultInjection_SCom_FitInjection=Zero
 TS2.163Rte_Call_FaultInjection_SCom_FitInjection=Pos
TS2.164Rte_Call_FaultInjection_SCom_FitInjection=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
	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
	0.100000001
	0.200000003
k_ESCMaxVehSpd_Kph_f32	10.1000004
	0
k_HapticDuration_Sec_f32	0.50999999
- /	3 0.159999996
k_HapticReacttime_Sec_f32 k_LKAMaxVehSpd_Kph_f32	0.13999990
k_LKAMinVehSpd_Kph_f32	0.40000006
	0.0149999997
	2.20000005
	0.0010000005
	0
k_StandstillTime_Sec_f32	0.00100000005
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-8
	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_Igc	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_ESClsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_Igc
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_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_Igc
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_TrqOviSta.TrqOviSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOviSta_Per1_LKAFault_Cnt_igc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt TrgOvlSta Per1 LKAlnhibit Cnt Igc
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_ShiftLeverlsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_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
	0
0_ 1	1
	0
02 1 2 2 20	0 -1140 10000
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value tgt TrqOvlSta Per1 CWFound Cnt lgc.value	-1140.10999 0
tgt_frqOviSta_Peri_CWFound_Cnt_igc.value tgt_frqOviSta_Peri_CWPosition_HwDeg_f32.value	360
	0
0_ 1	0
	0
	0
	0
	0
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	1 0.20999993
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	0.20999993
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0.209999993

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TrqOvlSta_Per1

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	2.2999995
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	1.8999998
k_LKAMinVehSpd_Kph_f32	1.75
k_MaxHapticReqTime_Sec_f32	0.029999993

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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 tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	0.00499999989 -7.8499999		
tgt Rte Inst Ap TrqOvISta.TrqOvISta Per1 APADrvrInterventionDetected Cnt Ign		ected Cnt lac	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_Igc	tgt_TrqOvlSta_Per1_APANonRecoverableFau		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_		
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_f3	2	
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_ESClsLimited_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_S		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_Igc	tgt_frqOviSta_Per1_GMOSH_ESCMigEriable		
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc	_011_190	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt TrqOvlSta Per1 HwTorque HwNm f32		
tgt Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 LKAFault Cnt Igc	tgt TrqOvlSta Per1 LKAFault Cnt Igc		
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	I_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_HwDe	g_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	· -	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_C	nt_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_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32		
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_Igc.value	1		
tgt_TrqOvISta_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_ESClsLimited_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 1		
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value tgt TrqOvlSta Per1 LKAInhibit Cnt lgc.value	0		
tgt_TrqOvIsta_Per1_LKARequest_Cnt_lgc.value	0		
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	30.2000008		
tgt_TrqOvISta_Per1_MinSecureVehicleSpeed_Kph_f32.value	40		
tgt TrqOvISta Per1 PosTrajEnable Cnt Igc.value	1		
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.10999999		
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-30.6000004		
tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc.value	0		
Name	Actual Value	Expected Value	Resul
TrqOvlSta_APAState_State_M_enum		3	
TrqOvlSta_ESCState_State_M_enum		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 ± 1	•
TrqOvlSta_Haptictime_Sec_M_f32		0 ± 1	•
TrgOvlSta HwTorqueSV HwNm M Str.SV UIs f32	-9.25	-9.25 ± 0.000009	

-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	0.0060000005	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				V
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	~

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
TrqOvISta_APAState_State_M_enum	1
TrqOvISta 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
TrgOvlSta 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
TrgOvISta 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	0.029999993
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_lg	gc 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_Igc	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





TrqOvISta_APAState_State_M_enum	Name	Input Value		
U.P. Park Land, Trigotion Trigotions (Trigotions) Park Land Processor (Trigotions) U.P. Park Land, Trigotion Trigotions (Trigotions) U.P. Park Land, Trigotions (Trigotions) Park Land, Trigotions (Trigotions) U.P. Park Land, Trig	tgt Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 ESCIsLimited Cnt Igc	· ·		
12, Reg. 144, 2, Topickes Topicks, Perf. (2005) Encoded For American Section (175)				
W. Re. Int. Ap. Taylobis Taylobis Perf CAMOSI APAMIGNESS Call perf	tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum		
10. Paul Paul Paul Paul Paul Paul Paul Paul	tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_	State_enum	
SUR-Burk Ap. Trapless Trapless Principals Principals Cort Lips SUR-Burk Ap. Trapless Trapless Principals Principals Cort Lips SUR-Burk Ap. Trapless Trapless Principals Principals Cort Lips SUR-Burk Ap. Trapless Trapless Principals Pri	tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnab	le_Cnt_lgc	
W. Trick/Olls, Pert L. HyporReveal, Crit Lgo Ig. Trick/Olls, Pert L. Hypor	tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnab	le_Cnt_lgc	
Spin Review Ap. Tracholisa Tracholisa Pert I Morrouse (a National Cont.) 5	tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnab	le_Cnt_lgc	
Martin Res. Process Part LowFaul Cut po	tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgd		
19_18_Br. 19_4 Profesta Tripolises per Lickenser Crulys 19_18_Br. 19_48_Br. 19				
Sp. Res. Pap. Pap. Pap. No. Pap. No. No. Pap. No.				
Big. Reg. May 2000085 790018 790085 7900 1000085 790085 7				
10, Res 114, Ap Toolsita Tropolsita Frost MasSeaure/winesSpeed frost 25				
Rg. Res. Ap. TopOviSta				
March Ap Troph/Sils Part Postere/Anale Cnt 1ge				
Inchesis Part Par		· · · · · · · · · · · · · · · ·		
10g. Res. 14g. 17g. 17				
Ng. Rej. hat, Ap. TrigO/Sills_Pert_Point plant				
Ng. Reg. Inst. Ap. TrigO/Sist Port SWART glyAngeneut. Naheg. 12				
Ng. Rg. Ingl. Ap. TrigO/SBL Port. Shift containReverse. Cnt. ge Ng. Rg. Ingl. Ap. TrigO/SBL Port. TrigO-Sarb. MrMh. Rg 2 1 1 1 1 1 1 1 1 1				
Set Res Ap. Track/Sta Track/Sta Pert Track/Sta Pert Track Pert Pert		tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_	Cnt_lgc	
Sq. Rev Ind Ap. TrqOv/Sta Pert TrqOv-Sta Pert APAReceverable auts Cnt Gov-value 0	tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32			
International Part APARImeteropher APARimeteropher International	tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc		
19, ThroVists Pert APARequest Chi, povalue 1 1 1 1 1 1 1 1 1	tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32		
1	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	1		
10_TrqO/Sta_Pert_COMPosine_NHPDeg_ISZ value 0	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0		
Section Sect	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1		
Fig.TrqOvSta_Pert_CWFound_Cnt_tgs-value 0	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0		
Section Sect	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value			
Eg.TrqOvSta_Pert_ESCRaturited_Cnt_lgcvalue				
Fig. TrgOVISIa_PerT_ESCRequest_Crd_Igc_value 0				
Int_TropOvSta_Pert_GMOSH_ESCMIgEnable_Cnt_Igo:value 0				
TrqOvISta_Perl_GMOSH_ESCM/gEnable_Cnt_Ig.value 0				
International Content Inte				
tgt_TrqOVISta_Pert_HapticRequest_Cnt_lgc.value				
International Content Inte				
tgt_TrqOWISta_Pert_LKAFault_Cnt_lgc_value 0 tgt_TrqOWISta_Pert_LKAFault_Cnt_lgc_value 0 tgt_TrqOWISta_Pert_LKARque_Cnt_lgc_value 1 tgt_TrqOWISta_Pert_MinSecureVehicleSpeed_Kpt_1S2_value 35,9999985 tgt_TrqOWISta_Pert_PosTrajiEnable_Cnt_lgc_value 44,0000015 tgt_TrqOWISta_Pert_PosTrajiEnable_Cnt_lgc_value 0 tgt_TrqOWISta_Pert_PosTrajiHwAngle_Hvbeg_1S2_value 28,7000008 tgt_TrqOWISta_Pert_SMRTrqOMRequest_Hvbeg_1S2_value 28,7000008 tgt_TrqOWISta_Pert_ShiffLeverisinReverse_Cnt_lgc_value 0 Name Actual Value Expected Value Result TrqOWISta_EsCSIate_State_M_enum 4 4 4 4 TrqOWISta_ElapsedShiftLevRevTime_Sec_M_f32 0 0 ± 1 4 4 7<				
tg _TrqOvISta_Pert LKAInhibit_Cnt_igc.value				
tgt_TrqOvlSta_Pert_LKARequest_Cnt_lgc.value 1 tgt_TrqOvlSta_Pert_MRxSecureVehicleSpeed_Kph_132.value 35.0999985 tgt_TrqOvlSta_Pert_MRxSecureVehicleSpeed_Kph_132.value 0				
Igt_TrqOviSta_Pert_MaxSecureVehicleSpeed_Kph_f32.value 44.900015 Igt_TrqOviSta_Pert_MinSecureVehicleSpeed_Kph_f32.value 0 Igt_TrqOviSta_Pert_Postrajinable_Cnt_Igc_value 0 Igt_TrqOviSta_Pert_Postrajinable_Cnt_Igc_value 0 Igt_TrqOviSta_Pert_SviRArgtAngRequest_HwDeg_f32.value 0 Igt_TrqOviSta_Pert_SwiRArgtAngRequest_HwDeg_f32.value 0 Igt_TrqOviSta_Pert_AngRequest_HwDeg_f32.value 0 Igt_TrqOviSta_Pert_PosSeveEnable_Cnt_Igc_value 0 Igt_TrqOviSta_Pert_PosSeveEnable_Cnt_Igc_				
tgt_TrqOvISta_Pert_PosTrajEnable_Cnt_Igc.value 0 tgt_TrqOvISta_Pert_PosTrajHwAngle_HwDeg_f32.value 0.119999997 tgt_TrqOvISta_Pert_SWARTrgtAngRequest_HwDeg_f32.value 2.87000008 tgt_TrqOvISta_Pert_ShiftLeverIsInReverse_Cnt_Igc.value 0 Name Actual Value Expected Value Result TrqOvISta_APAState_State_M_enum 4 4 4 TrqOvISta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 0 0 ± 1 V TrqOvISta_ElapsedShiftLevRevTime_Sec_M_f32 0 0 ± 1 V TrqOvISta_BapicState_State_M_enum 1 1 1 TrqOvISta_HapicCut_Cnt_M_u16 530 0 0 ± 1 V TrqOvISta_HapicCut_Cnt_M_u16 530 530 ± 1 V TrqOvISta_HapicCut_exe_Wham_M_Str.SV_UIs_f32 86,0400034 -8,64000034 ± 0,000009 V TrqOvISta_LKAFault_Cnt_M_igc 1 1 ± 1		35.0999985		
tgt_TrqOvIsta_Perl_PosTrajHwAngle_HwDeg_f32.value 0.119999997 tgt_TrqOvIsta_Perl_SWARTrgAngRequest_HwDeg_f32.value -28.7000008 tgt_TrqOvIsta_Perl_ShiftLeverlsnReverse_Cnt_Igc.value 0 Name Actual Value Expected Value Result TrqOvIsta_Parl_ShiftLevRevTime_Sec_M_f32 0 0 ± 1 4 4 4 7	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	44.9000015		
tgt_TrqOv/Sta_Perl_ShiftLeverIsInReverse_Cnt_Igc.value 28.7000008 Name Actual Value Expected Value Result TrqOv/Sta_Perl_ShiftLeverIsInReverse_Cnt_Igc.value 4 4 4 4 TrqOv/Sta_ElapsedShift_State_Menum 4 4 4 4 4 7 7 7 7 7 9 0 0 ± 1 1 2 7 7 7 9 0 0 ± 1 2 0 0 ± 1 2 7 7 7 7 9 0 ± 1 2 7 7 7 7 9 0 ± 1 2 1 0 0 ± 1 2 1 0 0 ± 1 2 1	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	0		
TqOvISta_Per1_ShiftLeverIsInReverse_Cnt_Igc.value	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.119999997		
Name	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-28.7000008		
TrqOvISta_APAState_State_M_enum	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0		
TrqOvISta_ESCState_State_Menum	Name	Actual Value	Expected Value	Result
TrqOvISta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 0 0 ± 1 TrqOvISta_ElapsedShifftLevRevTime_Sec_M_f32 0 0 ± 1 TrqOvISta_ElapsedStandstillTime_Sec_M_f32 0 0 ± 1 TrqOvISta_HapticState_State_Menum 1 1 TrqOvISta_HapticIme_Sec_M_f32 530 ± 1 530 ± 1 TrqOvISta_HapticIme_Sec_M_f32 860.26001 860.26001 ± 1 TrqOvISta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32 -8.64000034 -8.64000034 ± 0.000009 TrqOvISta_LKAPerumFault_Cnt_M_lgc 0 0 ± 1 TrqOvISta_LKAPermFault_Cnt_M_lgc 1 1 ± 1 TrqOvISta_LKAPermFault_Cnt_M_u08 1 1 ± 1 TrqOvISta_LKAState_State_Menum 4 4 TrqOvISta_PosSrvoHwAngle_HwDeg_M_f32 3.4000001 3.4000001 ± 0.0009765625 TrqOvISta_Per1_APADrvInterventionDetected_Cnt_lgc.value 0 0 ± 1 tg_TrqOvISta_Per1_APADrvInterventionDetected_Cnt_lgc.value 4 4 tg_TrqOvISta_Per1_GMOSHOSilateState_State_enum.value 4 4 tg_TrqOvISta_Per1_GMOSHOSilateState_State_enum.value 1 1 tg_TrqOvISta_Per1_PosServEnable_Cnt_lgc.value <td< td=""><td>TrqOvlSta_APAState_State_M_enum</td><td></td><td></td><td>~</td></td<>	TrqOvlSta_APAState_State_M_enum			~
TrqOvISta_ElapsedShiftLevRevTime_Sec_M_f32 0 0 ± 1 TrqOvISta_ElapsedStandstillTime_Sec_M_f32 0 0 ± 1 TrqOvISta_HapticState_State_M_enum 1 1 TrqOvISta_HapticCtur_Cnt_M_u16 530 530 ± 1 TrqOvISta_HapticIme_Sec_M_f32 860.26001 860.26001 ± 1 TrqOvISta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32 -8.64000034 -8.64000034 ± 0.000009 TrqOvISta_LKAFault_Cnt_M_lgc 0 0 ± 1 TrqOvISta_LKAPermFault_Cnt_M_lgc 1 1 ± 1 TrqOvISta_LKAPermFault_Cnt_M_u08 1 1 ± 1 TrqOvISta_LKAState_State_M_enum 4 4 TrqOvISta_PeostrvoHwAngle_HwDeg_M_f32 3.4000001 3.4000001 ± 0.0009765625 TrqOvISta_PeadytoPulse_Cnt_M_lgc 1 1 ± 1 tgt_TrqOvISta_Pearl_APADrivInterventionDetected_Cnt_lgc.value 0 0 ± 1 tgt_TrqOvISta_Per1_APAState_State_enum.value 4 4 tgt_TrqOvISta_Per1_EGCState_State_enum.value 4 4 tgt_TrqOvISta_Per1_LKAState_State_enum.value 4 4 tgt_TrqOvISta_Per1_DosServEnable_Cnt_lgc.value 0 0 ± 1 <td></td> <td></td> <td></td> <td>~</td>				~
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32 0 0 ± 1 TrqOvlSta_HapticState_State_M_enum 1 1 TrqOvlSta_Hapticdur_Cnt_M_u16 530 530 ± 1 TrqOvlSta_Hapticdur_Sec_M_f32 860.26001 860.26001 ± 1 TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_UIs_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_APADrvInterventionDetected_Cnt_lgc.value 0 0 ± 1 tgt_TrqOvlSta_Per1_APAState_State_enum.value 4 4 tgt_TrqOvlSta_Per1_GMOSHOScillateState_state_enum.value 4 4 tgt_TrqOvlSta_Per1_GMOSHOScillateState_state_enum.value 1 1 tgt_TrqOvlSta_Per1_PosSevEnable_Cnt_lgc.value 0 0 ± 1 tgt_TrqOvlSta_Per1_PosSevDetwAngle_HwDeg_f32.value 0.0120000001<	· ·			~
TrqOvISta_HapticState_State_Menum 1 1 TrqOvISta_Hapticdur_Cnt_M_u16 530 530 ± 1 TrqOvISta_Haptictime_Sec_M_f32 860.26001 860.26001 ± 1 TrqOvISta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32 -8.64000034 -8.64000034 ± 0.000009 TrqOvISta_LKAFault_Cnt_M_Igc 0 0 ± 1 TrqOvISta_LKAPermFault_Cnt_M_Igc 1 1 ± 1 TrqOvISta_LKAPermFault_Cnt_M_u08 1 1 ± 1 TrqOvISta_LKAState_State_M_enum 4 4 TrqOvISta_PosSrvoHwAngle_HwDeg_M_f32 3.4000001 3.4000001 ± 0.0009765625 TrqOvISta_ReadytoPulse_Cnt_M_Igc 1 1 ± 1 tgt_TrqOvISta_Per1_APADrvinterventionDetected_Cnt_Igc.value 0 0 ± 1 tgt_TrqOvISta_Per1_APAState_State_enum.value 4 4 tgt_TrqOvISta_Per1_ESCState_State_enum.value 4 4 tgt_TrqOvISta_Per1_LKAState_State_enum.value 1 1 tgt_TrqOvISta_Per1_PosSrvoHwAngle_HwDeg_f32.value 3.4000001 3.4000001 ± 0.0009765625 tgt_TrqOvISta_Per1_TrqOscAmp_MtrNm_f32.value 0.0120000001 0.0120000001 ± 0.0009765625				V
TrqOvISta_Hapticdur_Ont_M_u16 530 530 ± 1 TrqOvISta_Haptictime_Sec_M_f32 860.26001 860.26001 ± 1 TrqOvISta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32 -8.64000034 -8.64000034 ± 0.000009 TrqOvISta_LKAFault_Cnt_M_lgc 0 0 ± 1 TrqOvISta_LKAPermFault_Cnt_M_lgc 1 1 ± 1 TrqOvISta_LKAPermFault_Cnt_M_u08 1 1 ± 1 TrqOvISta_LKAState_State_M_enum 4 4 TrqOvISta_PosSrvHwAngle_HwDeg_M_f32 3.4000001 3.4000001 ± 0.0009765625 TrqOvISta_Perd_APADrvrInterventionDetected_Cnt_lgc.value 0 0 ± 1 tgt_TrqOvISta_Perl_APAState_State_enum.value 4 4 tgt_TrqOvISta_Perl_ESCState_State_enum.value 4 4 tgt_TrqOvISta_Perl_ESCState_State_enum.value 1 1 tgt_TrqOvISta_Perl_ESCState_State_enum.value 4 4 tgt_TrqOvISta_Perl_PosServEnable_Cnt_lgc.value 0 0 ± 1 tgt_TrqOvISta_Perl_PosServEnable_Cnt_lgc.value 0 0 ± 1 tgt_TrqOvISta_Perl_PosCovAmp_MtrNm_f32.value 0.0120000001 0.0120000001 ± 0.0009765625		1		•
TrqOvISta_Haptictime_Sec_M_f32 860.26001 860.26001 ± 1 TrqOvISta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32 -8.64000034 -8.64000034 ± 0.000009 TrqOvISta_LKAFault_Cnt_M_Igc 0 0 ± 1 TrqOvISta_LKAPermFault_Cnt_M_Igc 1 1 ± 1 TrqOvISta_LKAPermFault_Cnt_M_u08 1 1 ± 1 TrqOvISta_LKAState_State_M_enum 4 4 TrqOvISta_PosSrvoHwAngle_HwDeg_M_f32 3.4000001 3.4000001 ± 0.0009765625 TrqOvISta_ReadytoPulse_Cnt_M_Igc 1 1 ± 1 tgt_TrqOvISta_Per1_APADrivrInterventionDetected_Cnt_Igc.value 0 0 ± 1 tgt_TrqOvISta_Per1_APAState_State_enum.value 4 4 tgt_TrqOvISta_Per1_ESCState_State_enum.value 4 4 tgt_TrqOvISta_Per1_LKAState_State_enum.value 4 4 tgt_TrqOvISta_Per1_PosServEnable_Cnt_Igc.value 0 0 ± 1 tgt_TrqOvISta_Per1_PosSrveHwAngle_HwDeg_f32.value 3.4000001 3.4000001 ± 0.0009765625 tgt_TrqOvISta_Per1_TrqOscAmp_MtrNm_f32.value 0.0120000001 0.0120000001 ± 0.0009765625				
TrqOvISta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32 -8.64000034 -8.64000034 ± 0.000009 TrqOvISta_LKAFault_Cnt_M_Igc 0 0 ± 1 TrqOvISta_LKAPermFault_Cnt_M_Igc 1 1 ± 1 TrqOvISta_LKAState_State_M_enum 4 4 TrqOvISta_PosSrvoHwAngle_HwDeg_M_f32 3.4000001 3.4000001 ± 0.0009765625 TrqOvISta_ReadytoPulse_Cnt_M_Igc 1 1 ± 1 tgt_TrqOvISta_Per1_APADrvrInterventionDetected_Cnt_Igc.value 0 0 ± 1 tgt_TrqOvISta_Per1_APAState_State_enum.value 4 4 tgt_TrqOvISta_Per1_GMOSHOscillateState_state_enum.value 4 4 tgt_TrqOvISta_Per1_LKAState_State_enum.value 1 1 tgt_TrqOvISta_Per1_PosServEnable_Cnt_Igc.value 0 0 ± 1 tgt_TrqOvISta_Per1_PosSrvoHwAngle_HwDeg_f32.value 3.4000001 3.4000001 ± 0.0009765625 tgt_TrqOvISta_Per1_TrqOscAmp_MtrNm_f32.value 0.0120000001 0.0120000001 ± 0.0009765625				-
TrqOvISta_LKAFault_Cnt_M_lgc 0 0 ± 1 TrqOvISta_LKAPermFault_Cnt_M_lgc 1 1 ± 1 TrqOvISta_LKAPermFault_Cnt_M_u08 1 1 ± 1 TrqOvISta_LKAState_State_M_enum 4 4 TrqOvISta_PosSrvoHwAngle_HwDeg_M_f32 3.4000001 3.4000001 ± 0.0009765625 TrqOvISta_ReadytoPulse_Cnt_M_lgc 1 1 ± 1 tgt_TrqOvISta_Per1_APADrvrInterventionDetected_Cnt_lgc.value 0 0 ± 1 tgt_TrqOvISta_Per1_APAState_State_enum.value 4 4 tgt_TrqOvISta_Per1_ESCState_State_enum.value 4 4 tgt_TrqOvISta_Per1_GMOSHOscillateState_State_enum.value 1 1 tgt_TrqOvISta_Per1_LKAState_State_enum.value 4 4 tgt_TrqOvISta_Per1_PosServEnable_Cnt_lgc.value 0 0 ± 1 tgt_TrqOvISta_Per1_PosSrvoHwAngle_HwDeg_f32.value 3.4000001 3.4000001 ± 0.0009765625 tgt_TrqOvISta_Per1_TrqOscAmp_MtrNm_f32.value 0.0120000001 0.0120000001 ± 0.0009765625				
TrqOVISta_LKAPermFault_Cnt_M_lgc 1 1 ± 1 TrqOVISta_LKAPermFault_Cnt_M_u08 1 1 ± 1 TrqOVISta_LKAState_State_M_enum 4 4 TrqOvISta_PosSrvoHwAngle_HwDeg_M_f32 3.4000001 3.4000001 ± 0.0009765625 TrqOvISta_ReadytoPulse_Cnt_M_lgc 1 1 ± 1 tgt_TrqOvISta_Per1_APADrvrInterventionDetected_Cnt_lgc.value 0 0 ± 1 tgt_TrqOvISta_Per1_APAState_State_enum.value 4 4 tgt_TrqOvISta_Per1_ESCState_State_enum.value 4 4 tgt_TrqOvISta_Per1_GMOSHOscillateState_State_enum.value 1 1 tgt_TrqOvISta_Per1_LKAState_State_enum.value 4 4 tgt_TrqOvISta_Per1_PosServEnable_Cnt_lgc.value 0 0 ± 1 tgt_TrqOvISta_Per1_PosSrvoHwAngle_HwDeg_f32.value 3.4000001 3.4000001 ± 0.0009765625 tgt_TrqOvISta_Per1_TrqOscAmp_MtrNm_f32.value 0.0120000001 0.0120000001 ± 0.0009765625				
TrqOvISta_LKAPermFault_Cnt_M_u08 1 1 ± 1 TrqOvISta_LKAState_State_Menum 4 4 TrqOvISta_PosSrvoHwAngle_HwDeg_M_f32 3.4000001 3.4000001 ± 0.0009765625 TrqOvISta_ReadytoPulse_Cnt_M_lgc 1 1 ± 1 tgt_TrqOvISta_Per1_APADrvrInterventionDetected_Cnt_lgc.value 0 0 ± 1 tgt_TrqOvISta_Per1_APAState_State_enum.value 4 4 tgt_TrqOvISta_Per1_ESCState_State_enum.value 4 4 tgt_TrqOvISta_Per1_GMOSHOscillateState_State_enum.value 1 1 tgt_TrqOvISta_Per1_LKAState_State_enum.value 4 4 tgt_TrqOvISta_Per1_PosServEnable_Cnt_lgc.value 0 0 ± 1 tgt_TrqOvISta_Per1_PosSrvoHwAngle_HwDeg_f32.value 3.4000001 3.4000001 ± 0.0009765625 tgt_TrqOvISta_Per1_TrqOscAmp_MtrNm_f32.value 0.0120000001 0.0120000001 ± 0.0009765625				
TrqOvISta_LKAState_State_Menum 4 4 TrqOvISta_PosSrvoHwAngle_HwDeg_M_f32 3.4000001 3.4000001 ± 0.0009765625 TrqOvISta_ReadytoPulse_Cnt_M_lgc 1 1 ± 1 tgt_TrqOvISta_Per1_APADrvrInterventionDetected_Cnt_lgc.value 0 0 ± 1 tgt_TrqOvISta_Per1_APAState_State_enum.value 4 4 tgt_TrqOvISta_Per1_ESCState_State_enum.value 4 4 tgt_TrqOvISta_Per1_GMOSHOscillateState_State_enum.value 1 1 tgt_TrqOvISta_Per1_LKAState_State_enum.value 4 4 tgt_TrqOvISta_Per1_PosServEnable_Cnt_lgc.value 0 0 ± 1 tgt_TrqOvISta_Per1_PosSrvoHwAngle_HwDeg_f32.value 3.4000001 3.4000001 ± 0.0009765625 tgt_TrqOvISta_Per1_TrqOscAmp_MtrNm_f32.value 0.0120000001 0.0120000001 ± 0.0009765625				-
TrqOvISta_PosSrvoHwAngle_HwDeg_M_f32 3.4000001 3.4000001 ± 0.0009765625 TrqOvISta_ReadytoPulse_Cnt_M_lgc 1 1 ± 1 tgt_TrqOvISta_Per1_APADrvrInterventionDetected_Cnt_lgc.value 0 0 ± 1 tgt_TrqOvISta_Per1_APAState_State_enum.value 4 4 tgt_TrqOvISta_Per1_ESCState_State_enum.value 4 4 tgt_TrqOvISta_Per1_GMOSHOscillateState_State_enum.value 1 1 tgt_TrqOvISta_Per1_LKAState_State_enum.value 4 4 tgt_TrqOvISta_Per1_PosServEnable_Cnt_lgc.value 0 0 ± 1 tgt_TrqOvISta_Per1_PosSrvoHwAngle_HwDeg_f32.value 3.4000001 3.4000001 ± 0.0009765625 tgt_TrqOvISta_Per1_TrqOscAmp_MtrNm_f32.value 0.0120000001 0.0120000001 ± 0.0009765625				
TrqOvISta_ReadytoPulse_Cnt_M_lgc 1 1 ± 1 tgt_TrqOvISta_Per1_APADrvrInterventionDetected_Cnt_lgc.value 0 0 ± 1 tgt_TrqOvISta_Per1_APAState_State_enum.value 4 4 tgt_TrqOvISta_Per1_ESCState_State_enum.value 4 4 tgt_TrqOvISta_Per1_GMOSHOscillateState_State_enum.value 1 1 tgt_TrqOvISta_Per1_LKAState_State_enum.value 4 4 tgt_TrqOvISta_Per1_PosServEnable_Cnt_lgc.value 0 0 ± 1 tgt_TrqOvISta_Per1_PosSrvoHwAngle_HwDeg_f32.value 3.4000001 3.4000001 ± 0.0009765625 tgt_TrqOvISta_Per1_TrqOscAmp_MtrNm_f32.value 0.0120000001 0.0120000001 ± 0.0009765625				_
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_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_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_GMOSHOscillateState_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		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_TrqOvsCAmp_MtrNm_f32.value 0.0120000001 0.0120000001 ± 0.0009765625		1	1	~
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value 3.4000001 3.4000001 ± 0.0009765625 tgt_TrqOvlSta_Per1_TrqOvcAmp_MtrNm_f32.value 0.0120000001 0.0120000001 ± 0.0009765625	tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	~
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value 0.0120000001 0.0120000001 0.0120000001	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	~
	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value		3.4000001 ± 0.0009765625	~
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value				~
	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)	Invest Malor
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_TrqOvISta	tgt_Rte_Inst_Ap_TrqOvlSta
FrqOvISta_APAState_State_M_enum	1
FrqOvlSta_ESCState_State_M_enum	3
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	175.460007
FrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	308.519989
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	225.639999
FrqOvlSta_HapticState_State_M_enum	2
FrqOvlSta_Hapticdur_Cnt_M_u16	684
FrqOvlSta_Haptictime_Sec_M_f32	1345
FrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32	-8.02999973
FrqOvlSta_HwTorqueSV_HwNm_M_Str.K_UIs_f32	0.00860000029
FrqOvlSta_LKAFault_Cnt_M_lgc	0
FrqOvlSta_LKAPermFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_u08	3
TrqOvlSta_LKAState_State_M_enum	3
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	4.5
TrqOvISta_ReadytoPulse_Cnt_M_lgc	1
x_APAIncludeHaptic_Cnt_lgc	1
x_APAMaxHwTrqTime_Sec_f32	0.14000001
CAPAMaxHwTrq_HwNm_f32	0.23999995
x_APAMaxVehSpd_Kph_f32	5.4000001
x_ESCMaxVehSpd_Kph_f32	17.2999992
X_HapticAmplitude_MtrNm_f32	0.0179999992
x_HapticDuration_Sec_f32	0.0450000018
x_HapticFreq_Hz_f32	4.55999994
t_HapticReacttime_Sec_f32	0.0480000004
C_LKAMaxVehSpd_Kph_f32	5.6999981
K_LKAMinVehSpd_Kph_f32	5.25
X_MaxHapticReqTime_Sec_f32	0.059999987
x_SWARLimiter_HwDeg_f32	6.4000001
S_ShiftLevRevTime_Sec_f32	0.0130000003
x_StandstillThresh_Kph_f32	0.119999997
s_StandstillTime_Sec_f32	0.0130000003
gt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-7.55000019
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_Igo	
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_APARequest_Cnt_Igc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
gt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_CCWFound_Cnt_Igc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_Igc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_Igc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum tgt_TrqOvlSta_Per1_GMOSHOscillateState_state_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_Igc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
gt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_LKAFault_Cnt_Igc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_LKAInhibit_Cnt_Igc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_LKARequest_Cnt_Igc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	





Name	Input Value		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_I	ac	
tgt Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 PosSrvoHwAngle HwDeg f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_Hw		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lg		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt TrqOvlSta Per1 PosTrajHwAngle HwD		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32			
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc	tgt TrqOvlSta Per1 ShiftLeverlsInReverse		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lg		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32		
tgt TrqOvlSta Per1 APANonRecoverableFaults Cnt Igc.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_ESClsLimited_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	I=	1
Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	0	0	Y
TrqOvlSta_ESCState_State_M_enum	3	3	*
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32			-
T 0 101 F1 101 1 111T	308.519989	308.519989 ± 1	•
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	*
TrqOvlSta_HapticState_State_M_enum	0	0 ± 1 0	\(\frac{1}{2}\)
TrqOvlSta_HapticState_State_M_enum TrqOvlSta_Hapticdur_Cnt_M_u16	0 0 684	0 ± 1 0 684 ± 1	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
TrqOvlSta_HapticState_State_M_enum TrqOvlSta_Hapticdur_Cnt_M_u16 TrqOvlSta_Haptictime_Sec_M_f32	0 0 684 0	0 ± 1 0 684 ± 1 0 ± 1	\rightarrow \right
TrqOvISta_HapticState_State_M_enum TrqOvISta_Hapticdur_Cnt_M_u16 TrqOvISta_Haptictime_Sec_M_f32 TrqOvISta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32	0 0 684 0 -8.02999973	0 ± 1 0 684 ± 1 0 ± 1 -8.02999973 ± 0.000009	· · · · · · · · · · · · · · · · · · ·
TrqOvlSta_HapticState_State_M_enum TrqOvlSta_Hapticdur_Cnt_M_u16 TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32 TrqOvlSta_LKAFault_Cnt_M_lgc	0 0 684 0 -8.02999973	0 ± 1 0 684 ± 1 0 ± 1 -8.02999973 ± 0.000009 1 ± 1	\rightarrow \right
TrqOvISta_HapticState_State_M_enum TrqOvISta_Hapticdur_Cnt_M_u16 TrqOvISta_Haptictime_Sec_M_f32 TrqOvISta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32 TrqOvISta_LKAFault_Cnt_M_lgc TrqOvISta_LKAPermFault_Cnt_M_lgc	0 0 684 0 -8.02999973 1	0 ± 1 0 684 ± 1 0 ± 1 -8.02999973 ± 0.000009 1 ± 1 1 ± 1	· · · · · · · · · · · · · · · · · · ·
TrqOvISta_HapticState_State_M_enum TrqOvISta_Hapticdur_Cnt_M_u16 TrqOvISta_Haptictime_Sec_M_f32 TrqOvISta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32 TrqOvISta_LKAFault_Cnt_M_lgc TrqOvISta_LKAPermFault_Cnt_M_lgc TrqOvISta_LKAPermFault_Cnt_M_u08	0 0 684 0 -8.02999973 1 1 3	0 ± 1 0 684 ± 1 0 ± 1 -8.02999973 ± 0.000009 1 ± 1 1 ± 1 3 ± 1	· · · · · · · · · · · · · · · · · · ·
TrqOvISta_HapticState_State_M_enum TrqOvISta_Hapticdur_Cnt_M_u16 TrqOvISta_Haptictime_Sec_M_f32 TrqOvISta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32 TrqOvISta_LKAFault_Cnt_M_lgc TrqOvISta_LKAPermFault_Cnt_M_lgc TrqOvISta_LKAPermFault_Cnt_M_u08 TrqOvISta_LKAState_State_M_enum	0 0 684 0 -8.02999973 1 1 3 3	0 ± 1 0 684 ± 1 0 ± 1 -8.02999973 ± 0.000009 1 ± 1 1 ± 1 3 ± 1 3	· · · · · · · · · · · · · · · · · · ·
TrqOvISta_HapticState_State_M_enum TrqOvISta_Hapticdur_Cnt_M_u16 TrqOvISta_Haptictime_Sec_M_f32 TrqOvISta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32 TrqOvISta_LKAFault_Cnt_M_lgc TrqOvISta_LKAPermFault_Cnt_M_lgc TrqOvISta_LKAPermFault_Cnt_M_u08 TrqOvISta_LKAState_State_M_enum TrqOvISta_PosSrvoHwAngle_HwDeg_M_f32	0 0 684 0 -8.02999973 1 1 3 3 0.129999995	0 ± 1 0 684 ± 1 0 ± 1 -8.02999973 ± 0.000009 1 ± 1 1 ± 1 3 ± 1 3 0.129999995 ± 0.0009765625	
TrqOvISta_HapticState_State_M_enum TrqOvISta_Hapticdur_Cnt_M_u16 TrqOvISta_Haptictime_Sec_M_f32 TrqOvISta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32 TrqOvISta_LKAFault_Cnt_M_lgc TrqOvISta_LKAPermFault_Cnt_M_lgc TrqOvISta_LKAPermFault_Cnt_M_u08 TrqOvISta_LKAState_State_M_enum TrqOvISta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvISta_ReadytoPulse_Cnt_M_lgc	0 0 684 0 -8.02999973 1 1 3 3 0.129999995	0 ± 1 0 684 ± 1 0 ± 1 -8.02999973 ± 0.000009 1 ± 1 1 ± 1 3 ± 1 3 0.1299999995 ± 0.0009765625 1 ± 1	· · · · · · · · · · · · · · · · · · ·
TrqOvISta_HapticState_State_M_enum TrqOvISta_Hapticdur_Cnt_M_u16 TrqOvISta_Haptictime_Sec_M_f32 TrqOvISta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32 TrqOvISta_LKAFault_Cnt_M_lgc TrqOvISta_LKAPermFault_Cnt_M_lgc TrqOvISta_LKAPermFault_Cnt_M_u08 TrqOvISta_LKAState_State_M_enum TrqOvISta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvISta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvISta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0 0 684 0 -8.02999973 1 1 3 3 0.129999995 1	0 ± 1 0 684 ± 1 0 ± 1 -8.02999973 ± 0.000009 1 ± 1 1 ± 1 3 ± 1 3 0.1299999995 ± 0.0009765625 1 ± 1 0 ± 1	· · · · · · · · · · · · · · · · · · ·
TrqOvISta_HapticState_State_M_enum TrqOvISta_Hapticdur_Cnt_M_u16 TrqOvISta_Haptictime_Sec_M_f32 TrqOvISta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32 TrqOvISta_LKAFault_Cnt_M_lgc TrqOvISta_LKAPermFault_Cnt_M_lgc TrqOvISta_LKAPermFault_Cnt_M_u08 TrqOvISta_LKAState_State_M_enum TrqOvISta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvISta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvISta_Per1_APADrvrInterventionDetected_Cnt_lgc.value tgt_TrqOvISta_Per1_APAState_State_enum.value	0 0 684 0 -8.02999973 1 1 3 3 0.129999995 1 0	0 ± 1 0 684 ± 1 0 ± 1 -8.02999973 ± 0.000009 1 ± 1 1 ± 1 3 ± 1 3 0.1299999995 ± 0.0009765625 1 ± 1 0 ± 1	
TrqOvISta_HapticState_State_M_enum TrqOvISta_Hapticdur_Cnt_M_u16 TrqOvISta_Haptictime_Sec_M_f32 TrqOvISta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32 TrqOvISta_LKAFault_Cnt_M_lgc TrqOvISta_LKAPermFault_Cnt_M_lgc TrqOvISta_LKAPermFault_Cnt_M_u08 TrqOvISta_LKAState_State_M_enum TrqOvISta_LKAState_State_M_enum TrqOvISta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvISta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvISta_Per1_APADrvrInterventionDetected_Cnt_lgc.value tgt_TrqOvISta_Per1_APAState_State_enum.value tgt_TrqOvISta_Per1_ESCState_State_enum.value	0 0 684 0 -8.02999973 1 1 3 3 0.129999995 1 0 0	0 ± 1 0 684 ± 1 0 ± 1 -8.02999973 ± 0.000009 1 ± 1 1 ± 1 3 ± 1 3 0.1299999995 ± 0.0009765625 1 ± 1 0 ± 1 0 3	0
TrqOvISta_HapticState_State_M_enum TrqOvISta_Hapticdur_Cnt_M_u16 TrqOvISta_Haptictime_Sec_M_f32 TrqOvISta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32 TrqOvISta_LKAFault_Cnt_M_lgc TrqOvISta_LKAPermFault_Cnt_M_lgc TrqOvISta_LKAPermFault_Cnt_M_u08 TrqOvISta_LKAState_State_M_enum TrqOvISta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvISta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvISta_Per1_APADrvrInterventionDetected_Cnt_lgc.value tgt_TrqOvISta_Per1_APAState_State_enum.value tgt_TrqOvISta_Per1_ESCState_State_enum.value tgt_TrqOvISta_Per1_GMOSHOscillateState_State_enum.value	0 0 684 0 -8.02999973 1 1 3 3 0.129999995 1 0 0	0 ± 1 0 684 ± 1 0 ± 1 -8.02999973 ± 0.000009 1 ± 1 1 ± 1 3 ± 1 3 0.1299999995 ± 0.0009765625 1 ± 1 0 ± 1	
TrqOvISta_HapticState_State_M_enum TrqOvISta_Hapticdur_Cnt_M_u16 TrqOvISta_Haptictime_Sec_M_f32 TrqOvISta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32 TrqOvISta_LKAFault_Cnt_M_lgc TrqOvISta_LKAPermFault_Cnt_M_lgc TrqOvISta_LKAPermFault_Cnt_M_u08 TrqOvISta_LKAState_State_M_enum TrqOvISta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvISta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvISta_Per1_APADrvrInterventionDetected_Cnt_lgc.value tgt_TrqOvISta_Per1_APAState_State_enum.value tgt_TrqOvISta_Per1_ESCState_State_enum.value tgt_TrqOvISta_Per1_GMOSHOscillateState_State_enum.value tgt_TrqOvISta_Per1_LKAState_State_enum.value	0 0 684 0 -8.02999973 1 1 3 3 0.129999995 1 0 0	0 ± 1 0 684 ± 1 0 ± 1 -8.02999973 ± 0.000009 1 ± 1 1 ± 1 3 ± 1 3 0.1299999995 ± 0.0009765625 1 ± 1 0 ± 1 0 3 0	
TrqOvISta_HapticState_State_M_enum TrqOvISta_Hapticdur_Cnt_M_u16 TrqOvISta_Haptictime_Sec_M_f32 TrqOvISta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32 TrqOvISta_LKAFault_Cnt_M_lgc TrqOvISta_LKAPermFault_Cnt_M_lgc TrqOvISta_LKAPermFault_Cnt_M_u08 TrqOvISta_LKAState_State_M_enum TrqOvISta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvISta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvISta_Per1_APADrvrInterventionDetected_Cnt_lgc.value tgt_TrqOvISta_Per1_APAState_State_enum.value tgt_TrqOvISta_Per1_ESCState_State_enum.value tgt_TrqOvISta_Per1_GMOSHOscillateState_State_enum.value	0 0 684 0 -8.02999973 1 1 3 3 0.129999995 1 0 0 0 3	0 ± 1 0 684 ± 1 0 ± 1 -8.02999973 ± 0.000009 1 ± 1 1 ± 1 3 ± 1 3 0.1299999995 ± 0.0009765625 1 ± 1 0 ± 1 0 3 0 3	
TrqOvISta_HapticState_State_M_enum TrqOvISta_Hapticdur_Cnt_M_u16 TrqOvISta_Haptictime_Sec_M_f32 TrqOvISta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32 TrqOvISta_LKAFault_Cnt_M_lgc TrqOvISta_LKAPermFault_Cnt_M_lgc TrqOvISta_LKAPermFault_Cnt_M_u08 TrqOvISta_LKAState_State_M_enum TrqOvISta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvISta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvISta_Per1_APADrvrInterventionDetected_Cnt_lgc.value tgt_TrqOvISta_Per1_APAState_State_enum.value tgt_TrqOvISta_Per1_ESCState_State_enum.value tgt_TrqOvISta_Per1_GMOSHOscillateState_State_enum.value tgt_TrqOvISta_Per1_LKAState_State_enum.value tgt_TrqOvISta_Per1_LKAState_State_enum.value tgt_TrqOvISta_Per1_PosServEnable_Cnt_lgc.value tgt_TrqOvISta_Per1_PosServEnable_Cnt_lgc.value tgt_TrqOvISta_Per1_PosServEnable_Cnt_lgc.value	0 0 684 0 -8.02999973 1 1 3 3 0.129999995 1 0 0 0 3	0 ± 1 0 684 ± 1 0 ± 1 -8.02999973 ± 0.000009 1 ± 1 1 ± 1 3 ± 1 3 0.1299999995 ± 0.0009765625 1 ± 1 0 ± 1 0 3 0 3 1 ± 1	
TrqOvISta_HapticState_State_M_enum TrqOvISta_Hapticdur_Cnt_M_u16 TrqOvISta_Haptictime_Sec_M_f32 TrqOvISta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32 TrqOvISta_LKAFault_Cnt_M_lgc TrqOvISta_LKAPermFault_Cnt_M_lgc TrqOvISta_LKAPermFault_Cnt_M_u08 TrqOvISta_LKAState_State_M_enum TrqOvISta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvISta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvISta_Per1_APADrvrInterventionDetected_Cnt_lgc.value tgt_TrqOvISta_Per1_APAState_State_enum.value tgt_TrqOvISta_Per1_ESCState_State_enum.value tgt_TrqOvISta_Per1_GMOSHOscillateState_State_enum.value tgt_TrqOvISta_Per1_LKAState_State_enum.value tgt_TrqOvISta_Per1_LKAState_State_enum.value tgt_TrqOvISta_Per1_PosServEnable_Cnt_lgc.value	0 0 684 0 -8.02999973 1 1 1 3 3 0.129999995 1 0 0 0 3 0 3	0 ± 1 0 684 ± 1 0 ± 1 -8.02999973 ± 0.000009 1 ± 1 1 ± 1 3 ± 1 3 0.1299999995 ± 0.0009765625 1 ± 1 0 ± 1 0 3 0 3 1 ± 1 0.1299999995 ± 0.0009765625	
TrqOvISta_HapticState_State_M_enum TrqOvISta_Hapticdur_Cnt_M_u16 TrqOvISta_Haptictime_Sec_M_f32 TrqOvISta_Haptictime_Sec_M_f32 TrqOvISta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32 TrqOvISta_LKAFault_Cnt_M_lgc TrqOvISta_LKAPermFault_Cnt_M_lgc TrqOvISta_LKAState_State_M_enum TrqOvISta_LKAState_State_M_enum TrqOvISta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvISta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvISta_Per1_APADrvrInterventionDetected_Cnt_lgc.value tgt_TrqOvISta_Per1_APAState_State_enum.value tgt_TrqOvISta_Per1_ESCState_State_enum.value tgt_TrqOvISta_Per1_GMOSHOscillateState_State_enum.value tgt_TrqOvISta_Per1_LKAState_State_enum.value tgt_TrqOvISta_Per1_PosServEnable_Cnt_lgc.value tgt_TrqOvISta_Per1_PosServEnable_Cnt_lgc.value tgt_TrqOvISta_Per1_PosSrvoHwAngle_HwDeg_f32.value tgt_TrqOvISta_Per1_TrqOscAmp_MtrNm_f32.value	0 0 684 0 -8.02999973 1 1 3 3 0.129999995 1 0 0 3 0 3 1 0.129999995 0.0179999992	0 ± 1 0 684 ± 1 0 ± 1 -8.02999973 ± 0.000009 1 ± 1 1 ± 1 3 ± 1 3 0.129999995 ± 0.0009765625 1 ± 1 0 ± 3 0 3 1 ± 1 0.1299999995 ± 0.0009765625 0.01799999992 ± 0.0009765625	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \

Test Step Call Trace				V
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 TrgOvlSta Per1 CP1 CheckpointReached	1	Rte Call TrgOvlSta 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

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TrqOvlSta_Per1



Name	Input Value
	1
	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 TrqOvlSta_Haptictime_Sec_M_f82	1830.43005
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32 TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	-7.42000008 0.0108000003
	1
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1
	4
TrqOvlSta_LKAState_State_M_enum	4
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	5.5999999
	0
_	0
	0.150000006 0.31999993
_ ' '- '- '- '- '- '- '- '- '- '- '- '- '	7.19999981
k_ESCMaxVehSpd_Kph_f32	19.7000008
	0.0240000002
k_HapticDuration_Sec_f32	0.059999987
k_HapticFreq_Hz_f32	5.05999994
	0.064000003
	7.5999999
	7
	0.075000003 7.8000019
k_SWARLimiter_HwDeg_f32 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_Igc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_APAState_State_enum tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_CWFound_Cnt_Igc	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_ESClsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESClsLimited_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_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt TrgOvlSta Per1 HapticRequest Cnt Igc
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_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32 tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServErlable_Cht_igc 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_ShiftLeverlsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_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_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_TrqOscFreq_Hz_f32	
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0

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TrqOvlSta_Per1

			- 10010
Name	Input Value		
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	379.76001		
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0		
tgt_TrqOvlSta_Per1_ESClsLimited_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_ShiftLeverlsInReverse_Cnt_Igc.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	0.40000006
k_APAMaxVehSpd_Kph_f32	9
k_ESCMaxVehSpd_Kph_f32	22.1000004
k_HapticAmplitude_MtrNm_f32	0.029999993
k_HapticDuration_Sec_f32	0.075000003
k_HapticFreq_Hz_f32	5.57399988 0.079999982
k_HapticReacttime_Sec_f32 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	0.20000003
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
$tgt_Rte_Inst_Ap_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc$	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_Igc	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_ESClsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_Igc	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_GMOSH.ApAMfqEpable_Cat_lea	tgt_TrqOvlSta_Per1_GMOSHOScillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_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_TrqOvISta.TrqOvISta_Per1_LKAFault_Cnt_Igc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 LKAInhibit Cnt Igc	tgt TrgOvlSta Per1 LKAInhibit Cnt Igc
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_ShiftLeverlsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_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_TrqOvISta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvISta_Per1_CCWFound_Cnt_lgc.value	1 -1089.60999
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvISta_Per1_CWPoultio_Cnt_igc.value tgt_TrqOvISta_Per1_CWPosition_HwDeg_f32.value	384.700012
tgt TrqOviSta_Per1_ESCFault Cnt lgc.value	1
tgt_TrqOvISta_Per1_ESGIsLimited_Cnt_Igc.value	1
tgt_TrqOvIsta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvISta_Per1_GMOSH_APAMfgEnable_Cnt_Igc.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
Ant. The Ord Ote - Dend - LIKA Denove to Cont. Inc. viels in	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	
tgt_frqOviSta_Per1_LKARequest_Cnt_igc.value tgt_frqOviSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	49.7999992
	49.7999992 59.599985

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TrqOvlSta_Per1

Name	Input Value		
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.150000006		
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-23		
tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_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	✓

T (0) 0 T (D (0) (1)	
Test Step 2.7 (Repeat Count = 1)	<u> </u>
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_UIs_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

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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_Igo	tgt_TrqOvlSta_Per1_APADrvrInterventionDet	ected Cnt Igc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFal		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc	<u>-</u> .g-	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum		
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_CCWFound_Cnt_Igc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc		
tgt Rte Inst Ap TrqOvISta.TrqOvISta Per1 CCWPosition HwDeg f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f	32	
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_CWFound_Cnt_Igc	tgt_TrqOvISta_Per1_CWFound_Cnt_lgc	,	
tgt Rte Inst Ap TrqOvISta.TrqOvISta Per1 CWPosition HwDeg f32	tgt_TrqOvISta_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_Igc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_Igc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum	N-4	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_S		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable	e_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_TrqOviSta.TrqOviSta_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_MaxSecureVehicleSpee	d_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_HwDe		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	<u></u>	
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDe	n f32	
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvISta_Per1_SWARTrgtAngRequest_		
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_ShiftLeverIsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_0		
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	0		
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value			
test Leaf hithig Doed Doe Trail hithing - 1 hithing - 400			
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.159999996		
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	0.159999996 -21.1000004		
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc.value	0.159999996 -21.1000004 0		
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc.value Name	0.159999996 -21.1000004 0 Actual Value	Expected Value	Result
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc.value Name TrqOvlSta_APAState_State_M_enum	0.159999996 -21.1000004 0 Actual Value 4	4	Result
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc.value Name	0.159999996 -21.1000004 0 Actual Value	•	Result
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc.value Name TrqOvlSta_APAState_State_M_enum	0.159999996 -21.1000004 0 Actual Value 4	4	· ·
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc.value Name TrqOvlSta_APAState_State_M_enum TrqOvlSta_ESCState_State_M_enum	0.159999996 -21.1000004 0 Actual Value 4	4	· ·
Igt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc.value Name TrqOvlSta_APAState_State_M_enum TrqOvlSta_ESCState_State_M_enum TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0.159999996 -21.1000004 0 Actual Value 4 0	4 4 0 ± 1	Result
Igt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc.value Name TrqOvlSta_APAState_State_M_enum TrqOvlSta_ESCState_State_M_enum TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0.159999996 -21.1000004 0 Actual Value 4 0 0	4 4 0±1 0±1	· · · · · · · · · · · · · · · · · · ·
Igt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc.value Name TrqOvlSta_APAState_State_M_enum TrqOvlSta_ESCState_State_M_enum TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32 TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0.159999996 -21.1000004 0 Actual Value 4 0 0 0	4 4 0 ± 1 0 ± 1 0 ± 1	· · · · · · · · · · · · · · · · · · ·
Igt_TrqOvISta_Per1_SWARTrgtAngRequest_HwDeg_f32.value tgt_TrqOvISta_Per1_ShiftLeverIsInReverse_Cnt_Igc.value Name TrqOvISta_APAState_State_M_enum TrqOvISta_ESCState_State_M_enum TrqOvISta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 TrqOvISta_ElapsedShiftLevRevTime_Sec_M_f32 TrqOvISta_ElapsedStandstillTime_Sec_M_f32 TrqOvISta_ElapsedStandstillTime_Sec_M_f32 TrqOvISta_HapticState_State_M_enum	0.159999996 -21.1000004 0 Actual Value 4 0 0 1	4 4 0±1 0±1 0±1 1	· · · · · · · · · · · · · · · · · · ·
Igt_TrqOvISta_Per1_SWARTrgtAngRequest_HwDeg_f32.value tgt_TrqOvISta_Per1_ShiftLeverIsInReverse_Cnt_Igc.value Name TrqOvISta_APAState_State_M_enum TrqOvISta_ESCState_State_M_enum TrqOvISta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 TrqOvISta_ElapsedShiftLevRevTime_Sec_M_f32 TrqOvISta_ElapsedStandstillTime_Sec_M_f32 TrqOvISta_ElapsedStandstillTime_Sec_M_f32 TrqOvISta_HapticState_State_M_enum TrqOvISta_Hapticdur_Cnt_M_u16 TrqOvISta_Haptictime_Sec_M_f32	0.159999996 -21.1000004 0 Actual Value 4 4 0 0 1 1 3575	4 4 0 ± 1 0 ± 1 0 ± 1 1 3575 ± 1 0 ± 1	· · · · · · · · · · · · · · · · · · ·
Igt_TrqOvISta_Per1_SWARTrgtAngRequest_HwDeg_f32.value tgt_TrqOvISta_Per1_ShiftLeverIsInReverse_Cnt_Igc.value Name TrqOvISta_APAState_State_M_enum TrqOvISta_ESCState_State_M_enum TrqOvISta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 TrqOvISta_ElapsedShiftLevRevTime_Sec_M_f32 TrqOvISta_ElapsedStandstillTime_Sec_M_f32 TrqOvISta_ElapsedStandstillTime_Sec_M_f32 TrqOvISta_HapticState_State_M_enum TrqOvISta_Hapticdur_Cnt_M_u16	0.159999996 -21.1000004 0 Actual Value 4 4 0 0 0 1 3575	4 4 0 ± 1 0 ± 1 0 ± 1 1 1 3575 ± 1	

TrqOvlSta_LKAPermFault_Cnt_M_lgc

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	~	

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 TrgOvlSta	tgt Rte Inst Ap TrqOvlSta	
TrqOvlSta_APAState_State_M_enum	2	
TrgOvISta 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	
TrqOvISta_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_lg	gc tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_Igc	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	
gt_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_ESClsLimited_Cnt_lgc	tgt TrqOvlSta Per1 ESCIsLimited Cnt Igc	
tgt Rte Inst Ap TrqOvISta.TrqOvISta Per1 ESCRequest Cnt Igc	tgt TrqOvlSta Per1 ESCRequest Cnt lgc	

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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 GMOSHOscillateStat	e 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 TrqOvISta.TrqOvISta Per1 GMOSH LKAMfgEnable Cnt Igc					
	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_ShiftLeverlsInReverse_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_ESClsLimited_Cnt_lgc.value	1				
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1				
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_Igc.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_ShiftLeverlsInReverse_Cnt_lgc.value	1				
Name	Actual Value	Expected Value	Result		
TrqOvlSta_APAState_State_M_enum	0	0	-		
TrgOviSta ESCState State M enum	3	3	•		
TrqOvISta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	2639.65991	2639.65991 ± 1	j		
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	-		
TrgOvISta LKAFault Cnt M lgc	1	1±1	•		
TrqOvISta_LKAPermFault_Cnt_M_lgc	1	1 ± 1			
TrqOvISta_LKAPermFault_Cnt_M_u08	3	3 ± 1			
TrqOvISta_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 tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0.0419999994	0.0419999994 ± 0.0009765625	•		
	0	0 ± 1	✓		

6.60200024

tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value

6.60200024 ± 0.0009765625



est 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)	Invest Value
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
FrqOvlSta_ESCState_State_M_enum	3
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	3529.32007
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	747.719971
FrqOvlSta_ElapsedStandstillTime_Sec_M_f32	3539.93994
FrqOvlSta_HapticState_State_M_enum	1
FrqOvlSta_Hapticdur_Cnt_M_u16	8625
FrqOvlSta_Haptictime_Sec_M_f32	3770.09009
FrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-4.98000002
FrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0196000002
FrqOvlSta_LKAFault_Cnt_M_lgc	0
FrqOvlSta_LKAPermFault_Cnt_M_lgc	1
FrqOvlSta_LKAPermFault_Cnt_M_u08	1
FrqOvlSta_LKAState_State_M_enum	2
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	10
FrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
<pre>C_APAIncludeHaptic_Cnt_lgc</pre>	1
C_APAMaxHwTrqTime_Sec_f32	0.189999998
c_APAMaxHwTrq_HwNm_f32	0.63999986
<pre></pre>	14.3999996
<pre>c_ESCMaxVehSpd_Kph_f32</pre>	29.2999992
K_HapticAmplitude_MtrNm_f32	0.0480000004
 K_HapticDuration_Sec_f32	0.119999997
C_HapticFreq_Hz_f32	7.11600018
C_HapticReacttime_Sec_f32	0.128000006
<pre>c_napto reastano_ess_rea c_LKAMaxVehSpd_Kph_f32</pre>	15.1999998
C LKAMinVehSpd Kph f32	14
(_MaxHapticReqTime_Sec_f32	0.135000005
C_SWARLimiter_HwDeg_f32	13.399996
<pre>C_OVM the limited_I IMDeg_los </pre> <pre>(_ShiftLevRevTime_Sec_f32</pre>	0.032999998
C_StandstillThresh_Kph_f32	0.319999993
C_StandstillTime_Sec_f32	0.032999998
	-6.80000019
gt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FitInjection_Sign	
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_Igr	
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_Igc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_Igc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOviSta_Per1_CWFound_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESClsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESClsLimited_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_state_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
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Name	Input Value		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lg	С	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwD	eg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngReques	t_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse	_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f3	32	
tgt Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 TrqOscEnable Cnt Igc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lg	C	
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_TrqOviSta_Per1_CWFound_Cnt_lgc.value	0		
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	399.519989		
tgt_TrqOviSta_Per1_ESCFault_Cnt_lgc.value	0		
tgt TrqOvISta Per1 ESCIsLimited Cnt Igc.value	0		
tgt_TrqOvISta_Per1_ESCRequest_Cnt_lgc.value	0		
	0		
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value 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_ShiftLeverlsInReverse_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	•
TrqOvISta LKAFault Cnt M Igc	0	0 ± 1	•
TrgOvlSta LKAPermFault Cnt M lgc	1	1 ± 1	_
TrqOvISta_LKAPermFault_Cnt_M_u08	1	1 ± 1	
TrqOvlSta_LKAState_State_M_enum	4	4	
TrgOvISta PosSrvoHwAngle HwDeg M f32	10	10 ± 0.0009765625	
TrgOvISta ReadytoPulse Cnt M Igc	1	1 ± 1	
tgt TrqOvlSta Per1 APADrvrInterventionDetected Cnt Igc.value	0	0 ± 1	
tgt TrqOvISta Per1 APAState State enum.value	4	4	
	4	4	
tgt_TrqOvlSta_Per1_ESCState_State_enum.value		1	
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	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	•

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 TrgOvlSta Per1 CP1 CheckpointReached	1	Rte Call TrgOvlSta Per1 CP1 CheckpointReached	1	_

7.11600018

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

tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value

7.11600018 ± 0.0009765625

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

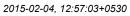




Name	Input Value
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	4418.97998
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	835.559998
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	4409.68018
TrqOvlSta_HapticState_State_M_enum	0
TrqOvlSta_Hapticdur_Cnt_M_u16	11150
TrqOvlSta_Haptictime_Sec_M_f32	425564
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32	-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	11.1000004
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0
TrqOvlSta_ReadytoPulse_Cnt_M_lgc k_APAIncludeHaptic_Cnt_lgc	1
k_APAMaxHwTrqTime_Sec_f32	0.20000003
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_Igc	
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_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_APAState_State_enum tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_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_Igc	tgt TrqOvlSta Per1 ESCFault Cnt Igc
tgt Rte Inst Ap TrqOvISta.TrqOvISta Per1 ESCIsLimited Cnt Igc	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_Igc	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_TrqOvISta.TrqOvISta_Per1_PosTrajEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32 tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_trqOvlSta_Per1_Pos1rajHwAngle_HwDeg_f32 tgt_trqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOviSta.TrqOviSta_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
	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-1049.20996
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-1049.20996

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Name	Input Value		
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1		
tgt TrqOvlSta Per1 ESCRequest Cnt Igc.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_ShiftLeverlsInReverse_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	~
TrqOvISta_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	0.18999998	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				V
Actual Function Co		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

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TrqOvlSta_Per1

Name	Input Value
k_APAMaxHwTrqTime_Sec_f32	0.20999993
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 0.40000006
k_StandstillThresh_Kph_f32 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_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_ESClsLimited_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_Igc	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_Igc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Per1_LKAState_State_enum	tgt TrqOvISta 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_ShiftLeverlsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_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_TrqOvISta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvISta_Per1_HwTorque_HwNm_f32.value	3.71000004
tgt_TrqOvISta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvISta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvISta_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
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Name	Input Value		
tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_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	0.059999987	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	<u> </u>

Test Step Call Trace				✓
Actual Function Co		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	0.21999999
k_APAMaxHwTrq_HwNm_f32	0.87999995
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	0.43999998
k_StandstillTime_Sec_f32	0.0450000018

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TrqOvlSta_Per1



Name	Input Value		
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-6.3499999		
$tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgasers and the property of the pro$	tgt_TrqOvlSta_Per1_APADrvrInterventionDe	tected_Cnt_lgc	
$tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc$	tgt_TrqOvlSta_Per1_APANonRecoverableFa	aults_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_f3	2	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESClsLimited_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_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_	State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnab	le_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnab	le_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable	le_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_Igc	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_MaxSecureVehicleSpee	ed_Kph_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpee	d_Kph_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lg	С	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwD	eg_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_HwDe	eg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest	_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_	Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f3	2	
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_ESClsLimited_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_ShiftLeverlsInReverse_Cnt_lgc.value	1		
Name	Actual Value	Expected Value	Resul
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	
TrqOvISta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	
TrqOvISta_HapticState_State_M_enum	1	1	
TrqOvISta_Hapticdur_Cnt_M_u16	16200	16200 ± 1	
TrqOvISta_Haptictime_Sec_M_f32	0	0 ± 1	
TrqOvISta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32	-3.1500001	-3.1500001 ± 0.000009	
TrqOvISta_KAFault_Cnt_M_lgc	1	1 ± 1	
TrqOvISta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	
THO TOTAL CITTLE BUILDING INC.	"	V ± 1	

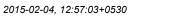
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TrqOvlSta_LKAPermFault_Cnt_M_u08

TrqOvlSta_LKAState_State_M_enum

TrqOvlSta_Per1





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				V
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	~

lame	Input Value
Rte Call Ap TrgOvlSta FaultInjection SCom FltInjection(SignalPath Uls f32)	•
Rte_Call_Ap_TrqOviSta_Faultiflection_Scottl_Fittiflection(SignalFatti_Ois_is2)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
	tgt_Rte_Inst_Ap_TrqOvlSta
rqOvISta_APAState_State_M_enum	2
rqOvlSta_ESCState_State_M_enum	
rqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	7087.95996
rqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	1099.07996
rqOvlSta_ElapsedStandstillTime_Sec_M_f32	7018.8999
rqOvlSta_HapticState_State_M_enum	1
rqOvlSta_Hapticdur_Cnt_M_u16	18725
rqOvlSta_Haptictime_Sec_M_f32	5710.16992
rqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-2.53999996
rqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0284000002
rqOvlSta_LKAFault_Cnt_M_lgc	0
rqOvlSta_LKAPermFault_Cnt_M_lgc	0
rqOvlSta_LKAPermFault_Cnt_M_u08	1
rqOvlSta_LKAState_State_M_enum	2
rqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	14.3999996
rqOvlSta_ReadytoPulse_Cnt_M_lgc	0
_APAIncludeHaptic_Cnt_lgc	1
_APAMaxHwTrqTime_Sec_f32	0.230000004
_APAMaxHwTrq_HwNm_f32	0.959999979
_APAMaxVehSpd_Kph_f32	21.6000004
_ESCMaxVehSpd_Kph_f32	38.9000015
_HapticAmplitude_MtrNm_f32	0.0719999969
_HapticDuration_Sec_f32	0.180000007
_HapticFreq_Hz_f32	9.17199993
_HapticReacttime_Sec_f32	0.192000002
_LKAMaxVehSpd_Kph_f32	22.7999992
_LKAMinVehSpd_Kph_f32	21
_MaxHapticReqTime_Sec_f32	0.194999993
_SWARLimiter_HwDeg_f32	19
ShiftLevRevTime Sec f32	0.0489999987
StandstillThresh Kph f32	0.47999989
StandstillTime Sec f32	0.0489999987
gt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-6.1999981
gt Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 APADrvrInterventionDetected Cnt Ig	
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_Igc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_Igc
gt Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 APARecoverableFaults Cnt Igc	tgt TrqOvlSta Per1 APARecoverableFaults Cnt lgc
gt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_APARequest_Cnt_Igc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_APAState_State_enum	tgt TrqOvlSta Per1 APAState State enum
gt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_CCWFound_Cnt_Igc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
gt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_CWFound_Cnt_Igc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
gt_Rte_inst_Ap_indovista.indovista_rein_cwround_cnt_igc gt_Rte_inst_Ap_indovista.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
	· - · · - · - · - · - · · - ·
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_Igc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_ESCRequest_Cnt_Igc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum tgt_TrqOvlSta_Per1_GMOSHOscillateState_state_enum

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	1		
Name	Input Value		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnal	ole_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEna	ble_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnat		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_Igc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lg		
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	1	
tgt Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 MaxSecureVehicleSpeed Kph f32			
	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpe		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpe	· -	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_l	ус	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_Hwl	Deg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lg	С	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwD		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngReques		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f	32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lg	C	
tgt Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 TrgOscFreq Hz f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32		
tgt TrqOvlSta Per1 APANonRecoverableFaults Cnt Igc.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		
	0		
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value			
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_Igc.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_ShiftLeverlsInReverse_Cnt_Igc.value	0		
	· ·		
Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	~
TrgOvlSta ESCState State M enum	4	4	✓
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	
	0		•
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32		0 ± 1	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	~
TrqOvlSta_HapticState_State_M_enum	1	1	✓
TrgOvlSta 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	✓
	0		-
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	•	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_TrqOvISta_Per1_LKAState_State_enum.value	4	4	•
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	~
tet TraCulCto Dord DooCruellusApple LlusDoo 622 value			
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	14.3999996	14.3999996 ± 0.0009765625	~
tgt_frqOvista_Per1_Prossivonwarigie_nwbeg_isz.value tgt_frqOviSta_Per1_frqOscAmp_MtrNm_f32.value		14.3999996 ± 0.0009765625 0.0719999969 ± 0.0009765625	~
	14.3999996		
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	14.3999996 0.0719999969	0.0719999969 ± 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)	The same of the sa
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
rqOvlSta_APAState_State_M_enum	2
rqOvlSta_ESCState_State_M_enum	3
rqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	7977.62012
rqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	1186.92004
rqOvlSta_ElapsedStandstillTime_Sec_M_f32	7888.64014
rqOvlSta_HapticState_State_M_enum	2
rqOvlSta_Hapticdur_Cnt_M_u16	21250
rqOvlSta_Haptictime_Sec_M_f32	6195
rqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-1.92999995
rqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0306000002
rqOvlSta_LKAFault_Cnt_M_lgc	0
rqOvlSta_LKAPermFault_Cnt_M_lgc	1
rqOvlSta_LKAPermFault_Cnt_M_u08	4
rqOvlSta_LKAState_State_M_enum	1
rqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	15.5
rqOvlSta_ReadytoPulse_Cnt_M_lgc	1
_APAIncludeHaptic_Cnt_lgc	0
_APAMaxHwTrqTime_Sec_f32	0.239999995
_APAMaxHwTrq_HwNm_f32	1.03999996
	23.3999996
ESCMaxVehSpd Kph f32	41.2999992
	0.0780000016
HapticDuration_Sec_f32	0.194999993
	9.68599987
	0.208000004
KAMaxVehSpd_Kph_f32	24.700008
LKAMinVehSpd Kph f32	22.75
:tct www.repa_repr_ez :MaxHapticReqTime_Sec_f32	0.209999993
_SWARLimiter_HwDeg_f32	20.3999996
_ShiftLevRevTime_Sec_f32	0.0529999994
_StandstillThresh_Kph_f32	0.519999981
_StandstillTime_Sec_f32	0.0529999994
	-6.05000019
gt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FitInjection_Sign	
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_Igr	
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_Igc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESClsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESClsLimited_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_state_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
pt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
gt_Rte_Inst_Ap_TrqOvIsta.TrqOvIsta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc



TrqOvlSta_Per1

TIQOVISIA_PELL			MACITAL
Name	Input Value		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lg	3	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwD	eg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngReques	t_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse	Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f3		
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_Igc.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 ± 0.000976562	5
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	~

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 TrgOvlSta Per1 CP1 CheckpointReached	1	Rte Call TrgOvlSta Per1 CP1 CheckpointReached	1	_

9.68599987

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

 $tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value$

9.68599987 ± 0.0009765625

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Name	Input Value
	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
TrqOvISta_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
, = = = = = = = = = = = = = = = = = = =	1
	1
	2
,	2
	16.6000004
, – , – – –	1
	0.25
_ ,	1.12
	25.2000008
_	43.7000008
	0.0839999989
- ' '	0.20999993
	10.1999998
	0.224000007
	26.6000004
	24.5
	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_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
	tgt_TrqOvlSta_Per1_APAState_State_enum
	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32 tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
	tgt_rrqOvlSta_rerr_CWPosition_HwDeg_f32
	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
	tgt_TrqOvISta_Per1_ESCIsLimited_Cnt_lgc
	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_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_Igc	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_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32 tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32 tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
	1
	1
0_ 1	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	0 -998.710022

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Name	Input Value		
tgt_TrqOvlSta_Per1_ESClsLimited_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_ShiftLeverlsInReverse_Cnt_Igc.value	1		
Name	Actual Value	Expected Value	Result
TrgOvISta 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				V
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

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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	0.090000036
k_HapticDuration_Sec_f32	0.224999994
k_HapticFreq_Hz_f32	10.7139997
k_HapticReacttime_Sec_f32	0.239999995
k_LKAMinVohSpd_Kph_f32	28.5 26.25
k_LKAMinVehSpd_Kph_f32 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_Igc	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_ESClsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_Igc	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_Igc	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_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvIsta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_Igc	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_ShiftLeverlsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_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_TrqOvISta_Per1_CCWPosition_HwDeg_f32.value	-988.609985 1
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	1 434.100006
tgt TrqOvISta_Fer1_EWF0stit0f1_nwDeg_132.value	1
tgt_TrqOvISta_Per1_ESCFault_Crit_igc.value tgt_TrqOvISta_Per1_ESCIsLimited_Crit_igc.value	1
tgt TrqOvISta Per1 ESCRequest Cnt Igc.value	1
tgt_TrqOvISta_Per1_ESGNequest_Ont_igc.value	1
tgt_TrqOviSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvISta_Per1_GMOSH_LKAMfgEnable_Cnt_Igc.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_LKARequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	
	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	1 98.8000031
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	1 98.8000031 108.599998

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Name	Input Value		
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_Igc.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	0.090000036	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				V
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	36.099985
k_LKAMinVehSpd_Kph_f32	33.25
k_MaxHapticReqTime_Sec_f32	0.30000012
k_SWARLimiter_HwDeg_f32	28.7999992
k_ShiftLevRevTime_Sec_f32	0.0769999996
k_StandstillThresh_Kph_f32	0.75999999
k_StandstillTime_Sec_f32	0.0769999996

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TrqOvlSta_Per1



Name	Input Value		
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-5.1500001		
$tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_Igorder_APA$	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFa	aults_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_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_	r32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc	102	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f3	2	
tgt Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 ESCFault Cnt Igc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESClsLimited_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_APAMfgEnab		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnab		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnabl		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_Igc	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_Igc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_Igc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc		
tgt_Rte_Inst_Ap_rrqOviSta_rrqOviSta_Perr_ExArequest_Ont_igc tgt_Rte_Inst_Ap_rrqOviSta_TrqOviSta_Perr_ExArequest_Ont_igc	tgt_TrqOvlSta_Per1_LKAState_State_enum		
tgt Rte Inst Ap TrqOvISta.TrqOvISta Per1 MaxSecureVehicleSpeed Kph f32	tgt TrqOvlSta Per1 MaxSecureVehicleSpee	ed Kph f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpee	- · -	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lg		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwD		
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_HwDe	eg_f32	
$tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32$	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest	_HwDeg_f32	
$tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc$	tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_	Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f3:	2	
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 tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-978.51001		
tgt TrqOvlSta Per1 CWFound Cnt Igc.value	1		
tgt TrgOvlSta Per1 CWPosition HwDeg f32.value	439.040009		
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1		
tgt_TrqOvlSta_Per1_ESClsLimited_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 tgt TrqOvlSta_Per1_LKARequest Cnt_lgc.value	0		
tgt_rrqOviSta_Peri_LkARequest_Cht_igc.value tgt_TrqOviSta_Peri_LkARequest_Cht_igc.value tgt_TrqOviSta_Peri_LkARequest_Cht_igc.value	118.400002		
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kpit_f32.value	128.199997		
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1		
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.18999998		
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	3.5999999		
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_Igc.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	V
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 TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1 0 ± 1	
TrqOvISta_LKAPermFault_Cnt_M_u08	0	0 ± 1	<u> </u>
TrgOviSta LKAState State M enum	0	0	_

0

0

 $TrqOvlSta_LKAState_State_M_enum$

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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	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
FrqOvISta_ESCState_State_M_enum	0
FrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	14205.2402
FrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	1801.80005
rqOvlSta_ElapsedStandstillTime_Sec_M_f32	13976.8203
rqOvlSta_HapticState_State_M_enum	1
rqOvlSta_Hapticdur_Cnt_M_u16	38925
rqOvlSta_Haptictime_Sec_M_f32	9588.80957
rqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	2.33999991
rqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0460000001
rgOvISta LKAFault Cnt M Igc	0
rgOvlSta LKAPermFault Cnt M lgc	1
rqOvISta LKAPermFault Cnt M u08	1
rgOvISta LKAState State M enum	0
rqOvISta PosSrvoHwAngle HwDeg M f32	23.2000008
rqOviSta_ReadytoPulse_Cnt_M_lgc	1
APAIncludeHaptic Cnt Igc	1
_APAMaxHwTrqTime_Sec_f32	0.310000002
_APAMaxHwTrq_HwNm_f32	1.60000002
_APAMaxVehSpd_Kph_f32	36
_ESCMaxVehSpd_Kph_f32	58.099985
_HapticAmplitude_MtrNm_f32	0.119999997
_HapticDuration_Sec_f32	0.300000012
C_HapticFreq_Hz_f32	13.2840004
_HapticReacttime_Sec_f32	0.319999993
_LKAMaxVehSpd_Kph_f32	38
_LKAMinVehSpd_Kph_f32	35
_MaxHapticReqTime_Sec_f32	0.314999998
_SWARLimiter_HwDeg_f32	30.2000008
_ShiftLevRevTime_Sec_f32	0.0810000002
_StandstillThresh_Kph_f32	0.800000012
_StandstillTime_Sec_f32	0.0810000002
gt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-5
at Rte Inst Ap TrqOvISta.TrqOvISta Per1 APADrvrInterventionDetected Cnt Ig	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
gt Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 APARequest Cnt Igc	tgt TrqOvlSta Per1 APARequest Cnt lgc
gt Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 APAState State enum	tgt TrgOvlSta Per1 APAState State enum
gt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
gt Rte Inst Ap TrqOvISta.TrqOvISta Per1 CCWPosition HwDeg f32	tgt TrgOvlSta Per1 CCWPosition HwDeg f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOviSta_Per1_CWFound_Cnt_lgc
gt Rte Inst Ap TrqOvIsta.TrqOvIsta Per1 CWPosition HwDeg f32	tgt_TrqOvlSta_Per1_CWV outid_Crit_igc tgt_TrqOvlSta_Per1_CWV outid_Crit_igc tgt_TrqOvlSta_Per1_CWV outid_Crit_igc
gt_Rte_inst_Ap_riqOviSta.riqOviSta_Ferr_GvvFosition_Hwbeg_is2 gt_Rte_inst_Ap_riqOviSta.TrqOvISta_Perr_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
	1
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_ESCRequest_Cnt_Igc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum

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Name	Input Value		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnal	ble Cnt lac	
tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOviSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_GMOSH_LKAMfgEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnat		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_Igc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lg		
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	ı	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpe	eed_Kph_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpe	ed_Kph_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_l		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_Hwl		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_Igc	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_SWARTrgtAngReques		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_ tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f;		
tgt Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 TrqOscEnable Cnt Igc	tgt TrqOvlSta Per1 TrqOscEnable Cnt lg		
tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOviSta_Per1_TrqOscFreq_Hz_f32	C .	
tgt TrqOvlSta Per1 APANonRecoverableFaults Cnt Igc.value	1		
tgt_TrqOviSta_Per1_APARecoverableFaults_Cnt_igc.value	1		
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0		
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0		
tgt TrgOvlSta 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 TrgOvlSta Per1 ESCFault Cnt Igc.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 tgt TrqOvlSta Per1 PosTrajHwAngle HwDeg f32.value	0.100000001		
tgt TrqOvlSta Per1 SWARTrgtAngRequest HwDeg f32.value	5.5		
tgt_TrqOvISta_Per1_ShiftLeverIsInReverse_Cnt_Igc.value	1		
Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	- Ttoouit
TrqOvISta 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	~
TrqOvISta_LKAState_State_M_enum	4	4	~
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	23.2000008	23.2000008 ± 0.0009765625	Y
TrqOvISta_ReadytoPulse_Cnt_M_lgc	1	1±1	V
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 tgt_TrqOvlSta_Per1_GMOSHOscillateState_state_enum.value	1	1	
tgt_TrqOviSta_Per1_LKAState_State_enum.value	4	4	-
tgt_TrqOvISta_Per1_LxAState_State_entim.value	0	0 ± 1	
tgt_TrqOviSta_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_TrqOviSta_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
rqOvlSta_APAState_State_M_enum	0
rqOvlSta_ESCState_State_M_enum	1
rqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	15094.9004
rqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	1889.64001
rqOvlSta_ElapsedStandstillTime_Sec_M_f32	14846.5596
rqOvlSta_HapticState_State_M_enum	1
rqOvlSta_Hapticdur_Cnt_M_u16	41450
rqOvlSta_Haptictime_Sec_M_f32	10073.6396
rqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	2.95000005
rqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0482000001
rqOvlSta_LKAFault_Cnt_M_lgc	1
rqOvlSta_LKAPermFault_Cnt_M_lgc	0
rqOvISta_LKAPermFault_Cnt_M_u08	0
rqOvISta_LKAState_State_M_enum	4
rqOviSta_PosSrvoHwAngle_HwDeg_M_f32	24.2999992
rqOvISta ReadytoPulse Cnt M lgc	0
_APAIncludeHaptic_Cnt_lgc	1
_Ar Allidade laptic_ont_igc _APAMaxHwTrqTime_Sec_f32	0.319999993
_APAMaxHwTrq_HwNm_f32	1.67999995
APAMaxHwTiq_nwNiii_isz	37.7999992
ESCMaxVehSpd Kph f32	60.5
- · - · - · -	0.126000002
_HapticAmplitude_MtrNm_f32	0.314999998
_HapticDuration_Sec_f32	
_HapticFreq_Hz_f32	13.7980003
_HapticReacttime_Sec_f32	0.335999995
_LKAMaxVehSpd_Kph_f32	39.9000015
_LKAMinVehSpd_Kph_f32	36.75
_MaxHapticReqTime_Sec_f32	0.330000013
_SWARLimiter_HwDeg_f32	31.6000004
_ShiftLevRevTime_Sec_f32	0.0850000009
_StandstillThresh_Kph_f32	0.83999974
_StandstillTime_Sec_f32	0.0850000009
gt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-4.8499999
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	1
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESClsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESClsLimited_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
gt Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 GMOSH ESCMfgEnable Cnt Igc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt TrqOviSta Per1 GMOSH LKAMfgEnable Cnt Igc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_LKAInhibit_Cnt_lgc	tgt TrqOvISta Per1 LKAInhibit Cnt Igc
gt_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Per1_LKARequest_Cnt_Igc	tgt_TrqOvISta_Per1_LKARequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
	tot TraOvISta Par1 MaySacuraVahiclaSpaad Kph f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32 tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32 tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc





Name	Input Value			
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lg	c		
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_ShiftLeverlsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_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_ESClsLimited_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	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_ShiftLeverlsInReverse_Cnt_lgc.value	0			
Name	Actual Value	Expected Value	Result	
TrqOvISta_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	~	
gr_nqoviou_i on_i observenable_onr_ige.value				
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.109999999	0.109999999 ± 0.0009765625	~	
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value tgt_TrqOvlSta_Per1_TrqOscEnable Cnt lgc.value	0.109999999 0.126000002	0.109999999 ± 0.0009765625 0.126000002 ± 0.0009765625	*	

Test Step Call Trace				V
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 TroOvISta Per1 CP1 CheckpointReached	1	Rte Call TrgOvISta Per1 CP1 ChecknointReached	1	-

13.7980003

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

 $tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value$

13.7980003 ± 0.0009765625

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Name	Input Value
	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
, = = = = = = = = = = = = = = = = = = =	1
	1
	4
	1
	25.3999996
, – , – – –	0
	0.330000013
	1.75999999
	39.599985
	62.9000015
	0.131999999
	0.330000013
	14.3120003
	0.351999998
	41.7999992
	38.5
	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_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
	tgt_TrqOvlSta_Per1_APAState_State_enum
	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32 tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
	tgt_rrqOvlSta_ren_cwnound_on_gc
	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
	tgt_TrqOviSta_Per1_ESCRequest_Cnt_lgc
	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_Igc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_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_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32 tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32 tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
	tgi_frqovista_rei1_frqoscried_nz_isz 0
	0
5	
tgt TrgOvlSta Per1 APARequest Cnt lgc.value	1
	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	0 -948.210022

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Name	Input Value		
tgt_TrqOvlSta_Per1_ESClsLimited_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_ShiftLeverlsInReverse_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

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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 0.360000014
k_MaxHapticReqTime_Sec_f32	34.4000015
k_SWARLimiter_HwDeg_f32 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_TrqOvISta.TrqOvISta_Per1_APADrvrInterventionDetected_Cnt_Igc	
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_TrqOvISta.TrqOvISta_Per1_APARequest_Cnt_Igc	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_Igc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESClsLimited_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_Igc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_Igc	tgt_TrqOvISta_Per1_LKAInhibit_Cnt_Igc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc tgt TrqOvlSta_Per1_LKAState State enum
tgt_Rte_Inst_Ap_TrqOvlSta.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 Igc	tgt TrqOvlSta Per1 PosServEnable Cnt Igc
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 TrgOvlSta.TrgOvlSta Per1 SWARTrgtAngRequest HwDeg f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_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_ESClsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_Igc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	4 400001
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	-4.4000001
tgt_TrqOvISta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	0 138
nui innivirola Ferriviaxoecurevenicieoneen Kon 137 Value	
	147 800003
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	147.800003
	147.800003 1 0.129999995

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Name	Input Value		
tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_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

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TrqOvlSta_Per1



Name	Input Value		
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-4.4000001		
$tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgcolor=0.00000000000000000000000000000000000$	tgt_TrqOvlSta_Per1_APADrvrInterventionDete	ected_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFau	ilts_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	0	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f3	32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_Igc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32 tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32 tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc		
tgt Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 ESCIsLimited Cnt Igc	tgt TrqOvlSta Per1 ESCIsLimited Cnt Igc		
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_S	itate enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_Igc	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_Igc	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		
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_Igc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc	- 100	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDe	g_f32	
tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	* 422	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32 tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_I	· -	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc	tgt_TrqOvISta_Per1_ShiftLeverIsInReverse_C		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	iii_igo	
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 tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1		
tgt TrqOvISta Per1 HwTorque HwNm f32.value	-2.5		
tgt_TrqOvISta_Per1_LKAFault_Cnt_Igc.value	1		
tgt_TrqOvISta_Per1_LKAInhibit_Cnt_Igc.value	1		
tgt TrqOvlSta Per1 LKARequest Cnt Igc.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_ShiftLeverlsInReverse_Cnt_lgc.value	0		
Name	Actual Value	Expected Value	Resul
TrqOvISta_APAState_State_M_enum		4	•
TrqOvlSta_ESCState_State_M_enum		4	•
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32		17763.8809 ± 1	•
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32		0 ± 1	•
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32		0 ± 1	
TrqOvISta_HapticState_State_M_enum		0	
TrqOvISta_Haptictime_Sec_M_f32		49025 ± 1	
TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32		11528.1299 ± 1 4.38105583 ± 0.000009	
TrqOvISta_KAFault_Cnt_M_lgc		4.38105583 ± 0.000009 1 ± 1	
TrqOvISta_LKAPermFault_Cnt_M_lgc		1±1	
qoou_Liou oiiii uui_oiii_liijo			

TrqOvlSta_LKAPermFault_Cnt_M_u08

 $TrqOvlSta_LKAState_State_M_enum$

4 ± 1

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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	~

Namo	Input Value
Name	· ·
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvISta	tgt_Rte_Inst_Ap_TrqOvlSta
FrqOvlSta_APAState_State_M_enum	0
FrqOvlSta_ESCState_State_M_enum	0
FrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	18653.5391
FrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	2241
FrqOvlSta_ElapsedStandstillTime_Sec_M_f32	18325.5195
FrqOvlSta_HapticState_State_M_enum	1
FrqOvlSta_Hapticdur_Cnt_M_u16	51550
FrqOvISta_Haptictime_Sec_M_f32	12012.96
FrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32	5.38999987
rqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.057
FrqOvlSta_LKAFault_Cnt_M_lgc	1
FrqOvlSta_LKAPermFault_Cnt_M_lgc	1
FrqOvISta_LKAPermFault_Cnt_M_u08	1
FrqOvISta_LKAState_State_M_enum	0
FrqOvISta_PosSrvoHwAngle_HwDeg_M_f32	28.7000008
FrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
c_APAIncludeHaptic_Cnt_lgc	0
c_APAMaxHwTrqTime_Sec_f32	0.360000014
:_APAMaxHwTrq_HwNm_f32	2
c_APAMaxVehSpd_Kph_f32	45
c_ESCMaxVehSpd_Kph_f32	70.0999985
C_HapticAmplitude_MtrNm_f32	0.150000006
_HapticDuration_Sec_f32	0.375
_HapticFreq_Hz_f32	15.8540001
_HapticReacttime_Sec_f32	0.40000006
c_LKAMaxVehSpd_Kph_f32	47.5
C_LKAMinVehSpd_Kph_f32	43.75
_MaxHapticReqTime_Sec_f32	0.389999986
C_SWARLimiter_HwDeg_f32	37.2000008
_ShiftLevRevTime_Sec_f32	0.101000004
c_StandstillThresh_Kph_f32	1
_StandstillTime_Sec_f32	0.101000004
gt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-4.25
gt Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 APADrvrInterventionDetected Cnt Ig	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
pt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_Igc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
pt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESClsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_Trq0vlSta_Per1_ESCState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum

TrqOvlSta_Per1

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Name	Input Value		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEna	ble Cnt lac	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEna		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnal		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lg		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32	2	
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_Igc	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_enun		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpe		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpe		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_I		
tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_Hw		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lg tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwI		
tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngReques		
tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse		
tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f		
tgt Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 TrgOscEnable Cnt Igc	tgt TrqOvlSta Per1 TrqOscEnable Cnt Ig		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32		
tgt TrgOvlSta Per1 APANonRecoverableFaults Cnt Igc.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 TrgOvlSta 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_ESClsLimited_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_Igc.value	0	I=	1
Name	Actual Value	Expected Value	Result
TrqOvlOta_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 0 ± 1	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	1	1	_
TrqOvlSta_HapticState_State_M_enum TrqOvlSta_Hapticdur_Cnt_M_u16	51550	51550 ± 1	
TrqOvISta_Haptictime Sec M f32	0	0 ± 1	•
TrqOvISta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32	5.38999987	5.38999987 ± 0.000009	
TrqOvISta_LKAFault_Cnt_M_lgc	1	1 ± 1	V
TrqOvISta_LKAPermFault_Cnt_M_lgc	1	1±1	
TrqOvISta_LKAPermFault_Cnt_M_u08	1	1 ± 1	•
TrqOvISta_LKAState_State_M_enum	3	3	
TrqOvISta_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	✓
tot TanOulOta Dark TanOuaFrankla Ont languable			
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	1	1 ± 1	~



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
FrqOvISta_APAState_State_M_enum	1
rqOvlSta_ESCState_State_M_enum	1
rqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	19543.1992
rqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	2328.84009
rqOvlSta_ElapsedStandstillTime_Sec_M_f32	19195.2598
rqOvlSta_HapticState_State_M_enum	2
rqOvlSta_Hapticdur_Cnt_M_u16	54075
TrqOvlSta_Haptictime_Sec_M_f32	12497.79
rqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	6
rqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0592
rqOvlSta_LKAFault_Cnt_M_lgc	0
rqOvlSta_LKAPermFault_Cnt_M_lgc	1
rqOvlSta_LKAPermFault_Cnt_M_u08	2
rqOvlSta_LKAState_State_M_enum	1
rqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	29.7999992
rqOvlSta_ReadytoPulse_Cnt_M_lgc	1
_APAIncludeHaptic_Cnt_lgc	1
_APAMaxHwTrqTime_Sec_f32	0.370000005
APAMaxHwTrg HwNm f32	2.07999992
APAMaxVehSpd_Kph_f32	46.7999992
	72.5
HapticAmplitude_MtrNm_f32	0.156000003
HapticDuration Sec f32	0.38999986
_HapticFreq_Hz_f32	16.368
_HapticReacttime_Sec_f32	0.416000009
_LKAMaxVehSpd_Kph_f32	49.4000015
LKAMinVehSpd Kph f32	45.5
MaxHapticReqTime_Sec_f32	0.405000001
_SWARLimiter_HwDeg_f32	38.5999985
	0.104999997
ShiftLevRevTime_Sec_f32	1.0399996
_StandstillThresh_Kph_f32	
_StandstillTime_Sec_f32	0.104999997
gt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-4.0999999
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_Igr	
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_Igc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESClsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESClsLimited_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_state_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
pt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc





Name	Input Value		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lg	c	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_Hw[0eg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngReques	t_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse	_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f	32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lg	С	
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_ESClsLimited_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_ShiftLeverlsInReverse_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	~
=	2	2	~
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value			
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	~
tgt_TrqOvlSta_Per1_LKAState_State_enum.value tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	4 0	0 ± 1	~
tgt_TrqOvlSta_Per1_LKAState_State_enum.value tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	4 0 29.7999992	0 ± 1 29.7999992 ± 0.0009765625	~
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4 0	0 ± 1	~

Test Step Call Trace				V
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 TroOvISta Per1 CP1 CheckpointReached	1	Rte Call TrgOvISta Per1 CP1 ChecknointReached	1	-

16.368

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

 $tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value$

16.368 ± 0.0009765625

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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 0
k_APAIncludeHaptic_Cnt_lgc	0.379999995
k_APAMaxHwTrqTime_Sec_f32 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
$tgt_Rte_Inst_Ap_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc$	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_Igc	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_Igc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_Igc	tgt_TrqOvISta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvIsta.TrqOvIsta_Per1_ESCRequest_Crit_igc tgt_Rte_Inst_Ap_TrqOvIsta.TrqOvIsta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc 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 Igc	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_ShiftLeverlsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_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
tet Die Jack As Translater Translater De 1 T C 5 L 11 M2	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0 0 1
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0 0 1 1
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	0 0 1 1 -897.710022
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0 0 1 1

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TrqOvlSta_Per1

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Name	Input Value		
tgt_TrqOvlSta_Per1_ESClsLimited_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	-1.8999998		
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_ShiftLeverlsInReverse_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

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Name k_APAMaxHwTrqTime_Sec_f32 k_APAMaxHwTrq_HwNm_f32 k_APAMaxVehSpd_Kph_f32 k_ESCMaxVehSpd_Kph_f32 k_HapticAmplitude_MtrNm_f32 k_HapticDuration_Sec_f32 k_HapticFreq_Hz_f32 k_HapticReacttime_Sec_f32	Input Value 0.389999986 2.24000001 50.4000015 77.3000031
k_APAMaxHwTrq_HwNm_f32 k_APAMaxVehSpd_Kph_f32 k_ESCMaxVehSpd_Kph_f32 k_HapticAmplitude_MtrNm_f32 k_HapticDuration_Sec_f32 k_HapticFreq_Hz_f32	2.24000001 50.4000015
k_APAMaxVehSpd_Kph_f32 k_ESCMaxVehSpd_Kph_f32 k_HapticAmplitude_MtrNm_f32 k_HapticDuration_Sec_f32 k_HapticFreq_Hz_f32	50.4000015
k_ESCMaxVehSpd_Kph_f32 k_HapticAmplitude_MtrNm_f32 k_HapticDuration_Sec_f32 k_HapticFreq_Hz_f32	
k_HapticAmplitude_MtrNm_f32 k_HapticDuration_Sec_f32 k_HapticFreq_Hz_f32	77.3000031
k_HapticDuration_Sec_f32 k_HapticFreq_Hz_f32	
k_HapticFreq_Hz_f32	0.167999998
	0.419999987
k HanticReacttime Sec f32	17.3959999
	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 tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	0.112999998 -3.7999995
tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvISta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_Igc
tgt Rte Inst Ap TrqOvISta.TrqOvISta Per1 APARequest Cnt Igc	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_ESClsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESClsLimited_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_TrqOvISta.TrqOvISta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_Igc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_Igc	tgt_TrqOvISta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvISta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_LKAState_State_enum tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvISta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt Rte Inst Ap TrqOvISta.TrqOvISta Per1 PosServEnable Cnt Igc	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_ShiftLeverlsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc
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 tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	0
tgt_frqOvista_Peri_GMOSH_LKAMitgEnable_Cnt_lgc.value tgt_frqOviSta_Peri_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvISta_Per1_HwTorque_HwNm_f32.value	-1.70000005
tgt_TrqOvIsta_Per1_HwTorque_HwNfff_isz.value	1
tgt_TrqOvISta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvISta_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
	0.180000007
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	

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Name	Input Value		
tgt TrqOvlSta Per1 ShiftLeverlsInReverse Cnt Igc.value	0		
		From a stand Walton	D 14
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				V
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

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TrqOvlSta_Per1



Name	Input Value		
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-3.6500001		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_Igo	tgt_TrqOvlSta_Per1_APADrvrInterventionDe	etected Cnt lac	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableF		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults	_Crit_igc	
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 TrgOvlSta.TrgOvlSta Per1 CWFound Cnt Igc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc		
		20	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f3	32	
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		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnab	ole_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnab	le_Cnt_lgc	
tgt Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 HapticRequest Cnt Igc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lge	2	
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_Igc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_Igc	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_MaxSecureVehicleSpe	ed Kph f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpee		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lg		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwI	Deg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lge		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwD	eq f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f3	2	
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		
	1		
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value			
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		
	1		
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value			
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_ShiftLeverlsInReverse_Cnt_Igc.value	1		
	Actual Value	Expected Value	Poor II
Name		· ·	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	•
	1	1±1	
TrqOvISta_LKAPermFault_Cnt_M_lgc			
TrqOvlSta_LKAPermFault_Cnt_M_u08	4	4 ± 1	· ·
TrqOvlSta LKAState State M enum	3	3	· · · · · · · · · · · · · · ·

 $TrqOvlSta_LKAState_State_M_enum$

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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
FrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	2680.19995
FrqOvISta_ElapsedStandstillTime_Sec_M_f32	22674.2207
FrqOvISta_HapticState_State_M_enum	0
TrqOvlSta_Hapticdur_Cnt_M_u16	64175
FrqOvlSta_Haptictime_Sec_M_f32	14437.1104
FrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	8.43999958
FrqOvlSta_HwTorqueSV_HwNm_M_Str.K_UIs_f32	0.0680000037
FrqOvlSta_LKAFault_Cnt_M_lgc	0
FrqOvlSta_LKAPermFault_Cnt_M_lgc	1
FrqOvlSta_LKAPermFault_Cnt_M_u08	1
FrqOvlSta_LKAState_State_M_enum	3
FrqOvISta_PosSrvoHwAngle_HwDeg_M_f32	34.2000008
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
APAIncludeHaptic_Cnt_lgc	0
C_APAMaxHwTrqTime_Sec_f32	0.40999996
C_APAMaxHwTrq_HwNm_f32	2.4000001
 <ahlgorightarrows< a=""></ahlgorightarrows<>	54
C ESCMaxVehSpd Kph f32	82.0999985
C_HapticAmplitude_MtrNm_f32	0.180000007
HapticDuration Sec f32	0.449999988
_ · K_HapticFreq_Hz_f32	18.4239998
	0.479999989
C LKAMaxVehSpd Kph f32	57
C LKAMinVehSpd Kph f32	52.5
 <pre>C_MaxHapticReqTime_Sec_f32</pre>	0.465000004
SWARLimiter HwDeg f32	44.2000008
c_ShiftLevRevTime_Sec_f32	0.120999999
C_StandstillThresh_Kph_f32	1.20000005
StandstillTime Sec f32	0.120999999
gt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-3.5
gt Rte Inst Ap TrqOvISta.TrqOvISta Per1 APADrvrInterventionDetected Cnt Ig	
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
gt Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 APARequest Cnt lgc	tgt TrqOvlSta Per1 APARequest Cnt lgc
gt Rte Inst Ap TrqOvISta.TrqOvISta Per1 APAState State enum	tgt TrgOvlSta Per1 APAState State enum
gt_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvIsta_Per1_CCWFound_Cnt_lgc
gt Rte Inst Ap TrqOvISta.TrqOvISta Per1 CCWPosition HwDeg f32	tgt_TrqOvISta_Per1_CCWPosition_HwDeg_f32
gt_Rte_inst_Ap_rtqOviSta.rtqOviSta_Ferr_COvFosition_Hwbeg_is2 gt_Rte_inst_Ap_rtqOviSta.TrqOviSta_Perr_CWFound_Cnt_lgc	tgt_frqovista_Fer1_CcwFosition_rwbeg_isz
gt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvISta_Per1_CWPosition_HwDeg_f32
	· - ·
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_Igc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_Igc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum

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Name	Input Value		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEna	ble_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt TrgOvlSta Per1 GMOSH ESCMfgEna	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnal		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lg		
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		
		2	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enun		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpe		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpe	ed_Kph_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_I	gc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_Hw	Deg f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lg		
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_SWARTrgtAngReques	st_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse	_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f	32	
tgt Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 TrqOscEnable Cnt Igc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lg		
		0	
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		
	-867.409973		
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value			
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_ESClsLimited_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		
	0		
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value			
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.100000001		
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	24.5		
tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc.value	0		
Name	Actual Value	Expected Value	Result
			rtesur
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	•
TrgOvlSta LKAFault Cnt M lgc	0	0 ± 1	
, = = = = = = = = = = = = = = = = = = =			
TrqOvISta_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	•
	1	1±1	
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value			
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 ± 1	
	0		
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	34.2000008	34.2000008 ± 0.0009765625	
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value			
	34.2000008	34.2000008 ± 0.0009765625	•
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	34.2000008 0.180000007	34.2000008 ± 0.0009765625 0.180000007 ± 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	~

Fest Step 2.29 (Repeat Count = 1)	Innut Value
	Input Value
	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
: _ :	tgt_Rte_Inst_Ap_TrqOvlSta
	2
	1
	23991.5
	2768.04004
	23543.9609
	1
rqOvlSta_Hapticdur_Cnt_M_u16	2450
rqOvlSta_Haptictime_Sec_M_f32	14921.9404
rqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	9.05000019
rqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0702000037
rqOvlSta_LKAFault_Cnt_M_lgc	0
rqOvlSta_LKAPermFault_Cnt_M_lgc	0
rqOvlSta_LKAPermFault_Cnt_M_u08	0
rqOvlSta_LKAState_State_M_enum	4
rqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	35.2999992
rqOvlSta_ReadytoPulse_Cnt_M_lgc	0
	1
	0.419999987
	2.48000002
	55.7999992
- '-'-	84.5
- · - · -	0.186000004
	0.465000004
	18.9379997
- '	0.495999992
	58.9000015
_	54.25
	0.479999989
_ , ,	45.5999985
	0.125
	1.2400001
	0.125
gt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-3.3499999
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_Igc	
	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_Igc
	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
	tgt_TrqOvlSta_Per1_APAState_State_enum
	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
	tgt_TrqOvlSta_Per1_ESClsLimited_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_Igc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
	tgt_TrqOvlSta_Per1_ESCState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
	tgt TrgOvlSta Per1 LKAInhibit Cnt Igc
	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
	tgt_TrqOvlSta_Per1_LKAState_State_enum
	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc



TrqOvlSta_Per1

Name	Input Value		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lg	c	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwD	Deg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngReques	t_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse	_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f3	32	
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_ESClsLimited_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
TrqOvISta_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	✓

Test Step Call Trace				V
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 TrgOvlSta Per1 CP1 CheckpointReached	1	Rte Call TrgOvISta Per1 CP1 ChecknointReached	1	_

18.9379997

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
TrqOvISta_APAState_State_M_enum	0
TrqOvlSta_ESCState_State_M_enum	2

 $tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value$

18.9379997 ± 0.0009765625

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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	9.6599985
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0724000037
TrqOvlSta_LKAFault_Cnt_M_lgc	
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1 2
TrqOvISta_LKAPermFault_Cnt_M_u08	1
TrqOvlSta_LKAState_State_M_enum 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_Igo	
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_Igc	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_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_CWFound_Cnt_Igc	tgt_TrqOvISta_Per1_CWFound_Cnt_Igc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt TrqOvISta Per1 CWPosition HwDeg f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt TrqOvlSta Per1 ESCFault Cnt Igc
tgt Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 ESCIsLimited Cnt Igc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_Igc
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_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_Igc
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_Igc	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_Igc	tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32 tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32 tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_TrqOscEnable_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_TrqOscFreq_Hz_f32	tgt_rrqovista_Per1_trqoscEnable_cnt_igc tgt_trqovista_Per1_trqoscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	Igi_Indovista_Peri_Indoscried_Hz_isz
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvIsta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvISta_Per1_CCWFound_Cnt_Igc.value	0
tgt_TrqOvISta_Per1_CCWPosition_HwDeg_f32.value	-847.210022
	0
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	0 503.26001

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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_ShiftLeverlsInReverse_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	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				V
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

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TrqOvlSta_Per1

Name k_APAMaxHwTrqTime_Sec_f32 k_APAMaxHwTrq_HwNm_f32	Input Value
	0.420000009
k APAMaxHwTrg HwNm f32	0.43999998
_ · · · · · — · - ·	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 tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	0.133000001 -3.04999995
tgt_Rte_Inst_Ap_TrqOvlSta_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_Igc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt Rte Inst Ap TrqOvISta.TrqOvISta Per1 APARequest Cnt Igc	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_ESClsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESClsLimited_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_Igc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_Igc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_Igc	tgt_TrqOvISta_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_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_LKAState_State_enum 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 TrqOvISta.TrqOvISta Per1 PosServEnable Cnt Igc	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_ShiftLeverlsInReverse_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	
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_TrqOvISta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvISta_Per1_HwTorque_HwNm_f32.value	-0.69999988
tgt_TrqOvIsta_Per1_LKAFault_Cnt_lgc.value	-0.0999999900 1
tgt_TrqOvISta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvISta_Per1_LKARequest_Cnt_lgc.value	0
	187
tgt TrgOvlSta Per1 MaxSecureVehicleSpeed Kph f32.value	
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	196.800003
	196.800003 1
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	

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TrqOvlSta_Per1



Name	Input Value		
tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_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				V
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	0.44999988
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	0.5099999
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

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TrqOvlSta_Per1



Name	Input Value		
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-2.9000001		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_Igo	tgt_TrqOvlSta_Per1_APADrvrInterventionDe	etected_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFa	aults_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults	s_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	l	
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_f3	32	
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_ESClsLimited_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	1	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_	_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnab	ole_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnab	ole_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnab	le_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgd	0	
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_Igc	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_MaxSecureVehicleSpe	ed_Kph_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpee	ed_Kph_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lg	ic	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwE	Deg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgd	0	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwD	eg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest	t_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_	_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f3	2	
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_ESClsLimited_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_ShiftLeverlsInReverse_Cnt_Igc.value	1		
Name	Actual Value	Expected Value	Resul
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	•
TrqOvISta_Hapticdur_Cnt_M_u16	20480	20480 ± 1	
TrqOvISta_Haptictime_Sec_M_f32	0	0 ± 1	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-9	-9 ± 0.000009	•
TrqOvISta_LKAFault_Cnt_M_lgc	0	0 ± 1	
TrqOvISta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	•
Translation LVADarras Fault Cot M vion	0	0.4	

0

0 ± 1

TrqOvlSta_LKAPermFault_Cnt_M_u08

TrqOvlSta_LKAState_State_M_enum

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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
FrqOvISta_APAState_State_M_enum	3
FrqOvlSta_ESCState_State_M_enum	0
FrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	27550.1406
FrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	3119.3999
FrqOvlSta_ElapsedStandstillTime_Sec_M_f32	27022.9199
FrqOvlSta_HapticState_State_M_enum	1
FrqOvlSta_Hapticdur_Cnt_M_u16	26490
rqOvlSta_Haptictime_Sec_M_f32	16861.2598
FrgOvlSta HwTorqueSV HwNm M Str.SV Uls f32	0.5
FrqOvISta_HwTorqueSV_HwNm_M_Str.K_UIs_f32	0.0790000036
rgOvISta LKAFault Cnt M lgc	0
TrgOvISta LKAPermFault Cnt M Igc	0
TrgOvISta LKAPermFault Cnt M u08	2
TrgOvISta LKAState State M enum	1
TrgOvISta PosSrvoHwAngle HwDeg M f32	39.7000008
rqOvISta_ReadytoPulse_Cnt_M_lgc	0
APAIncludeHaptic Cnt Igc	1
APAMaxHwTrqTime_Sec_f32	0.460000008
_APAMaxHwTrq_HwNm_f32	2.79999995
APAMaxVehSpd Kph f32	63
x_ESCMaxVehSpd_Kph_f32	94.099985
_HapticAmplitude_MtrNm_f32	0.20999993
x_HapticDuration_Sec_f32	0.524999976
C_HapticFreq_Hz_f32	20.9939995
_HapticReacttime_Sec_f32	0.560000002
x_LKAMaxVehSpd_Kph_f32	66.5
LKAMinVehSpd_Kph_f32	61.25
_MaxHapticReqTime_Sec_f32	0.540000021
s_SWARLimiter_HwDeg_f32	51.2000008
_ShiftLevRevTime_Sec_f32	0.141000003
_StandstillThresh_Kph_f32	1.3999998
_StandstillTime_Sec_f32	0.141000003
gt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-2.75
gt Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 APADrvrInterventionDetected Cnt Ig	c tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_Igc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
gt Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 CWPosition HwDeg f32	tgt TrqOvlSta Per1 CWPosition HwDeg f32
gt Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 ESCFault Cnt Igc	tgt TrgOvlSta Per1 ESCFault Cnt Igc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_Igc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
3	igiqo.i.ota otcooduto_otate_onam

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Name	Input Value		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEn	able_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEn	able_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEn	able_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_f3	32	
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_Igc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgd		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_LKAState_State_enu tgt_TrqOvlSta_Per1_MaxSecureVehicleSp		
tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvISta_Per1_MinSecureVehicleSp		
tgt Rte Inst Ap TrqOvISta.TrqOvISta Per1 PosServEnable Cnt Igc	tgt_TrqOvISta_Per1_PosServEnable_Cnt	- · -	
tgt Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 PosSrvoHwAngle HwDeg f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_H		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_Hw	/Deg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngReque	est_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInRevers	e_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_I	gc	
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 tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	-816.909973		
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	518.080017		
tgt_TrqOvISta_Per1_ESCFault_Cnt_Igc.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	0.150000006		
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	34		
tgt_TrqOvISta_Per1_ShiftLeverIsInReverse_Cnt_Igc.value	1		
Name	Actual Value	Expected Value	Resul
TrqOvISta_APAState_State_M_enum	3	3	Resul
TrgOvISta 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	
		26490 ± 1	•
TrqOvlSta_Hapticdur_Cnt_M_u16	26490	20490 I I	
TrqOvlSta_Hapticdur_Cnt_M_u16 TrqOvlSta_Haptictime_Sec_M_f32	26490 16861.2598	16861.2598 ± 1	
TrqOvlSta_Haptictime_Sec_M_f32	16861.2598	16861.2598 ± 1	•
TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	16861.2598 0.5 0	16861.2598 ± 1 0.5 ± 0.0000009	
TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32 TrqOvlSta_LKAFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_u08	16861.2598 0.5 0 0 2	16861.2598 ± 1 0.5 ± 0.0000009 0 ± 1 0 ± 1 2 ± 1	•
TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32 TrqOvlSta_LKAFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_u08 TrqOvlSta_LKAState_State_M_enum	16861.2598 0.5 0 0 2 0	16861.2598 ± 1 0.5 ± 0.0000009 0 ± 1 0 ± 1 2 ± 1 0	
TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32 TrqOvlSta_LKAFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_u08 TrqOvlSta_LKAState_State_M_enum TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	16861.2598 0.5 0 0 2 0 0.150000006	16861.2598 ± 1 0.5 ± 0.0000009 0 ± 1 0 ± 1 2 ± 1 0 0.150000006 ± 0.0009765625	•
TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32 TrqOvlSta_LKAFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_u08 TrqOvlSta_LKAState_State_M_enum TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvlSta_ReadytoPulse_Cnt_M_lgc	16861.2598 0.5 0 0 2 0 0.150000006 0	16861.2598 ± 1 0.5 ± 0.0000009 0 ± 1 0 ± 1 2 ± 1 0 0.150000006 ± 0.0009765625 0 ± 1	
TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32 TrqOvlSta_LKAFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_u08 TrqOvlSta_LKAState_State_M_enum TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvlSta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	16861.2598 0.5 0 0 2 0 0.150000006 0	16861.2598 ± 1 0.5 ± 0.0000009 0 ± 1 0 ± 1 2 ± 1 0 0.150000006 ± 0.0009765625 0 ± 1 0 ± 1	
TrqOvISta_Haptictime_Sec_M_f32 TrqOvISta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32 TrqOvISta_LKAFault_Cnt_M_Igc TrqOvISta_LKAPermFault_Cnt_M_Igc TrqOvISta_LKAPermFault_Cnt_M_u08 TrqOvISta_LKAState_State_M_enum TrqOvISta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvISta_ReadytoPulse_Cnt_M_Igc tgt_TrqOvISta_Per1_APADrvrInterventionDetected_Cnt_Igc.value tgt_TrqOvISta_Per1_APAState_State_enum.value	16861.2598 0.5 0 0 2 0 0.150000006 0 0 3	16861.2598 ± 1 0.5 ± 0.0000009 0 ± 1 0 ± 1 2 ± 1 0 0.150000006 ± 0.0009765625 0 ± 1 0 ± 1 3	
TrqOvISta_Haptictime_Sec_M_f32 TrqOvISta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32 TrqOvISta_LKAFault_Cnt_M_Igc TrqOvISta_LKAPermFault_Cnt_M_Igc TrqOvISta_LKAPermFault_Cnt_M_u08 TrqOvISta_LKAState_State_M_enum TrqOvISta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvISta_ReadytoPulse_Cnt_M_Igc tgt_TrqOvISta_Per1_APADrvrInterventionDetected_Cnt_Igc.value tgt_TrqOvISta_Per1_APAState_State_enum.value tgt_TrqOvISta_Per1_ESCState_State_enum.value	16861.2598 0.5 0 0 2 0 0.150000006 0 0 3	16861.2598 ± 1 0.5 ± 0.0000009 0 ± 1 0 ± 1 2 ± 1 0 0.150000006 ± 0.0009765625 0 ± 1 0 ± 1 3	
TrqOvISta_Haptictime_Sec_M_f32 TrqOvISta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32 TrqOvISta_LKAFault_Cnt_M_Igc TrqOvISta_LKAPermFault_Cnt_M_Igc TrqOvISta_LKAPermFault_Cnt_M_u08 TrqOvISta_LKAState_State_M_enum TrqOvISta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvISta_ReadytoPulse_Cnt_M_Igc tgt_TrqOvISta_Per1_APADrvrInterventionDetected_Cnt_Igc.value tgt_TrqOvISta_Per1_APAState_State_enum.value tgt_TrqOvISta_Per1_GMOSHOscillateState_State_enum.value	16861.2598 0.5 0 0 2 0 0.150000006 0 0 3 3	16861.2598 ± 1 0.5 ± 0.0000009 0 ± 1 0 ± 1 2 ± 1 0 0.150000006 ± 0.0009765625 0 ± 1 0 ± 1 3 3 1	
TrqOvISta_Haptictime_Sec_M_f32 TrqOvISta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32 TrqOvISta_LKAFault_Cnt_M_Igc TrqOvISta_LKAPermFault_Cnt_M_Igc TrqOvISta_LKAPermFault_Cnt_M_u08 TrqOvISta_LKAState_State_M_enum TrqOvISta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvISta_ReadytoPulse_Cnt_M_Igc tgt_TrqOvISta_Per1_APADrvrInterventionDetected_Cnt_Igc.value tgt_TrqOvISta_Per1_APAState_State_enum.value tgt_TrqOvISta_Per1_BSCState_State_enum.value tgt_TrqOvISta_Per1_GMOSHOscillateState_State_enum.value tgt_TrqOvISta_Per1_LKAState_State_enum.value	16861.2598 0.5 0 0 2 0 0.150000006 0 0 3 3 1	16861.2598 ± 1 0.5 ± 0.0000009 0 ± 1 0 ± 1 2 ± 1 0 0.150000006 ± 0.0009765625 0 ± 1 0 ± 1 3 3 1	
TrqOvISta_Haptictime_Sec_M_f32 TrqOvISta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32 TrqOvISta_LKAFault_Cnt_M_Igc TrqOvISta_LKAPermFault_Cnt_M_Igc TrqOvISta_LKAPermFault_Cnt_M_u08 TrqOvISta_LKAState_State_M_enum TrqOvISta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvISta_ReadytoPulse_Cnt_M_Igc tgt_TrqOvISta_Per1_APADrvrInterventionDetected_Cnt_Igc.value tgt_TrqOvISta_Per1_APAState_State_enum.value tgt_TrqOvISta_Per1_BCSCstate_State_enum.value tgt_TrqOvISta_Per1_GMOSHOscillateState_State_enum.value tgt_TrqOvISta_Per1_LKAState_State_enum.value tgt_TrqOvISta_Per1_LKAState_State_enum.value tgt_TrqOvISta_Per1_LKAState_State_enum.value tgt_TrqOvISta_Per1_PosServEnable_Cnt_Igc.value	16861.2598 0.5 0 0 2 0 0.150000006 0 0 3 3	16861.2598 ± 1 0.5 ± 0.0000009 0 ± 1 0 ± 1 2 ± 1 0 0.150000006 ± 0.0009765625 0 ± 1 0 ± 1 3 3 1	
TrqOvISta_Haptictime_Sec_M_f32 TrqOvISta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32 TrqOvISta_LKAFault_Cnt_M_Igc TrqOvISta_LKAPermFault_Cnt_M_Igc TrqOvISta_LKAPermFault_Cnt_M_u08 TrqOvISta_LKAState_State_M_enum TrqOvISta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvISta_ReadytoPulse_Cnt_M_Igc tgt_TrqOvISta_Per1_APADrvrInterventionDetected_Cnt_Igc.value tgt_TrqOvISta_Per1_APAState_State_enum.value tgt_TrqOvISta_Per1_BSCState_State_enum.value tgt_TrqOvISta_Per1_GMOSHOscillateState_State_enum.value tgt_TrqOvISta_Per1_LKAState_State_enum.value	16861.2598 0.5 0 0 2 0 0.150000006 0 0 3 3 1	16861.2598 ± 1 0.5 ± 0.0000009 0 ± 1 0 ± 1 2 ± 1 0 0.150000006 ± 0.0009765625 0 ± 1 0 ± 1 3 3 1 0 1 ± 1	
TrqOvISta_Haptictime_Sec_M_f32 TrqOvISta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32 TrqOvISta_LKAFault_Cnt_M_Igc TrqOvISta_LKAPermFault_Cnt_M_Igc TrqOvISta_LKAPermFault_Cnt_M_u08 TrqOvISta_LKAState_State_M_enum TrqOvISta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvISta_ReadytoPulse_Cnt_M_Igc tgt_TrqOvISta_Per1_APADrvrInterventionDetected_Cnt_Igc.value tgt_TrqOvISta_Per1_APAState_State_enum.value tgt_TrqOvISta_Per1_BSCState_State_enum.value tgt_TrqOvISta_Per1_GMOSHOscillateState_State_enum.value tgt_TrqOvISta_Per1_LKAState_State_enum.value tgt_TrqOvISta_Per1_LKAState_State_enum.value tgt_TrqOvISta_Per1_PosServEnable_Cnt_Igc.value tgt_TrqOvISta_Per1_PosSrvoHwAngle_HwDeg_f32.value	16861.2598 0.5 0 0 2 0 0.150000006 0 0 3 3 1 0 1 0.150000006	16861.2598 ± 1 0.5 ± 0.0000009 0 ± 1 0 ± 1 2 ± 1 0 0.150000006 ± 0.0009765625 0 ± 1 3 3 1 0 1 ± 1 0.150000006 ± 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	~

est Step 2.34 (Repeat Count = 1)	
ame	Input Value
te_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
te_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
rqOvISta_APAState_State_M_enum	4
rqOvlSta_ESCState_State_M_enum	1
rqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	28439.8008 3207.23999
rqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32 rqOvlSta_ElapsedStandstillTime_Sec_M_f32	27892.6602
rgOvISta HapticState State M enum	21092.0002
rgOvISta Hapticdur Cnt M u16	32500
rgOvISta Haptictime Sec M f32	17346.0898
rqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	6.34000015
rqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0812000036
rqOvISta_LKAFault_Cnt_M_lgc	0
rqOvlSta_LKAPermFault_Cnt_M_lgc	0
rqOvISta_LKAPermFault_Cnt_M_u08	1
rqOvlSta_LKAState_State_M_enum	1
rqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	40.7999992
rqOvlSta_ReadytoPulse_Cnt_M_lgc	0
_APAIncludeHaptic_Cnt_lgc	1
_APAMaxHwTrqTime_Sec_f32	0.469999999
_APAMaxHwTrq_HwNm_f32	2.88000011
_APAMaxVehSpd_Kph_f32	64.8000031
_ESCMaxVehSpd_Kph_f32	96.5
_HapticAmplitude_MtrNm_f32	0.216000006
_HapticDuration_Sec_f32	0.540000021
_HapticFreq_Hz_f32	21.5079994
_HapticReacttime_Sec_f32	0.575999975
_LKAMaxVehSpd_Kph_f32	68.4000015
_LKAMinVehSpd_Kph_f32	63
_MaxHapticReqTime_Sec_f32	0.555000007
SWARLimiter_HwDeg_f32	52.5999985
ShiftLevRevTime_Sec_f32	0.144999996
_StandstillThresh_Kph_f32	1.44000006
_StandstillTime_Sec_f32	0.144999996
t_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FitInjection_Sign	-2.5999999
t_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_Igc t_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_Igc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
t_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvIsta_Per1_APANoliRecoverableFaults_Cnt_lgc
t_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvIsta_Per1_APARequest_Cnt_lgc
t_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvISta_Per1_APAState_State_enum
t_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
t_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
t_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
t Rte Inst Ap TrqOvISta.TrqOvISta Per1 CWPosition HwDeg f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
t_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
t_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESClsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
t_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
t_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
t_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
t_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
t_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
t_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
t_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
t_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
t_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
t_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_Igc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
t_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
t_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
t_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
t_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32 t_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc





Name	Input Value		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnal	ole_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwA	ngle_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f	32 tgt_TrqOvlSta_Per1_SWARTrgtA	ngRequest_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverIs	InReverse_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_TrqOscEnab	ole_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_TrqOvISta_Per1_ESCFault_Cnt_lgc.value	0		
tgt TrqOvlSta Per1 ESCIsLimited Cnt Igc.value	0		
tgt_TrqOvISta_Per1_ESCRequest_Cnt_lgc.value	0		
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	0		
	0		
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value			
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	•
TrgOvlSta Hapticdur Cnt M u16	32500	32500 ± 1	-
TrqOvlSta_Haptictime_Sec_M_f32	17346.0898	17346.0898 ± 1	•
TrgOvlSta HwTorqueSV HwNm M Str.SV Uls f32	6.34000015	6.34000015 ± 0.000009	
TrgOvISta LKAFault Cnt M Igc	1	1 ± 1	•
TrgOvlSta LKAPermFault Cnt M lgc	0	0 ± 1	
TrqOvISta_LKAPermFault_Cnt_M_u08	2	2 ± 1	
TrqOvlSta_LKAState_State_M_enum	4	4	
TrgOvISta PosSrvoHwAngle HwDeg M f32	40.7999992	40.7999992 ± 0.0009765625	
TrqOvISta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	
tgt TrqOvlSta Per1 APADrvrInterventionDetected Cnt Igc.value	0	0 ± 1	
	4	4	
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	
tgt_TrqOvlSta_Per1_ESCState_State_enum.value			
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	•
	10.00000		

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 TrgOvlSta Per1 CP1 CheckpointReached	1	Rte Call TrgOvlSta Per1 CP1 CheckpointReached	1	_

21.5079994

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

tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value

21.5079994 ± 0.0009765625





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	
TrqOvlSta_LKAPermFault_Cnt_M_lgc	
TrqOvlSta_LKAPermFault_Cnt_M_u08	3 4
TrqOvlSta_LKAState_State_M_enum 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	66.599985
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_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_Igc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32 tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt TrqOvlSta_Fer1_CWPosition_HwDeg f32
tgt_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvIsta_Per1_ESCFault_Cnt_Igc
tgt Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 ESCIsLimited Cnt Igc	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_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_state_enum
tgt Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 GMOSH APAMfgEnable Cnt Igc	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_ShiftLeverlsInReverse_Cnt_Igc	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
	0
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1.
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	1 1 -796.710022
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1 1 -796.710022 1
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	1 1 -796.710022





Name	Input Value		
tgt TrqOvlSta Per1 ESCIsLimited Cnt Igc.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	~
TrqOvISta_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				V
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 TrgOvlSta 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	In and Malan
k ADAMoul hyTraTime Coe 600	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 tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	0.152999997 -2.29999995
tgt_Rte_Inst_Ap_TrqOvlSta_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_Igc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt TrgOvlSta 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_ESClsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESClsLimited_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_Igc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_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_Igc	tgt_TrqOvISta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_LKAState_State_enum 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 TrqOvISta.TrqOvISta 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_ShiftLeverlsInReverse_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_TrqOvISta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1
tgt_TrqOvISta_Per1_HwTorque_HwNm_f32.value	0.300000012
tgt_TrqOvIsta_Per1_LKAFault_Cnt_lgc.value	0.300000012
tgt_TrqOvISta_Per1_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvISta_Per1_LKARequest_Cnt_lgc.value	0
0 _ 1	211.5
tgt TrgOvlSta Per1 MaxSecureVehicleSpeed Kph f32.value	
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	221.300003
	221.300003 0
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	

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Name	Input Value		
tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_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				V
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	44.099985
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	74.099985
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

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TrqOvlSta_Per1



Name	Input Value		
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-2.1500001		
$tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgovlSta_Per1_APADrvrInterventionDetect$	tgt_TrqOvlSta_Per1_APADrvrInterventionDe	tected_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFa	aults_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_f3	2	
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_Igc	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_		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnab		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnab		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnabl		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_Igc	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_Igc	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	11/1 / //	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpee	- · -	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpee		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lg		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwD	-	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDe		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f3:		
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 tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1		
tgt_TrqOvISta_Per1_ESCRequest_Cnt_Igc.value	4		
tgt_TrqOviSta_Per1_ESCRequest_Ont_igc.value	1		
tgt TrqOvISta_Per1_GMOSH_APAMilgEnable_Crit_igc.value	1		
	1		
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	0		
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value			
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	0.5		
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1		
tgt_TrqOvISta_Per1_LKARequest_Cnt_Igc.value	0		
tgt_TrqOvISta_Per1_LKARequest_Ont_Igc.value tgt_TrqOvISta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	216.399994		
tgt TrqOvlSta Per1 MinSecureVehicleSpeed Kph f32.value	226.199997		
tgt_TrqOvISta_Per1_MilliSecureverlicleSpeed_kpri_isz.value tgt_TrqOvISta_Per1_PosTrajEnable_Cnt_lgc.value	1		
tgt_TrqOvISta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.189999998		
tgt_TrqOvISta_Per1_PosTrajnwArigie_nwbeg_132.value tgt_TrqOvISta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-28.2999992		
tgt_TrqOvISta_Per1_StvARTrgtArigkequest_nwbeg_isz.value tgt_TrqOvISta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0		
	·	Fyma ata d Value	Decul
Name TraCviSta ADAStata Stata M enum	Actual Value	Expected Value	Resul
TrqOvISta_APAState_State_M_enum	4	4	
TrqOvISta_ESCState_State_M_enum TrqOvISta_ElapsedAPAMayHwTrqTime_Sec_M_f22	0	0 ± 1	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 TrqOvlSta_ElapsedShiftl evRevTime_Sec_M_f32	0	0 ± 1 0 ± 1	
TrqOvISta_ElapsedShiftLevRevTime_Sec_M_f32 TrqOvISta_ElapsedStandetillTime_Sec_M_f32	0		
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	1	0 ± 1	
TrqOvISta_HapticState_State_M_enum		1	
TrqOvISta_Hapticdur_Cnt_M_u16	50530	50530 ± 1	
TrqOvlSta_Haptictime_Sec_M_f32	1 21000004	0 ± 1	•
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	1.21000004	1.21000004 ± 0.000009	•
TrqOvISta_LKAFault_Cnt_M_lgc	1	1±1	
TrqOvISta_LKAPermFault_Cnt_M_lgc	1 2	1 ± 1 2 ± 1	
TrqOvISta_LKAPermFault_Cnt_M_u08 TrqOvISta_LKAState_State_M_enum	3	3	

 $TrqOvlSta_LKAState_State_M_enum$

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TrqOvlSta_Per1





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	0.18999998	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 Igc	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 TrgOvlSta.TrgOvlSta Per1 APADrvrInterventionDetected Cnt Ig	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt TrgOvlSta Per1 APANonRecoverableFaults Cnt Igc
tgt Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 APARecoverableFaults Cnt Igc	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 TrgOvlSta.TrgOvlSta Per1 APAState State enum	tgt TrgOvlSta Per1 APAState State enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 CCWPosition HwDeg f32	tgt TrgOvlSta Per1 CCWPosition HwDeg f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_Igc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 CWPosition HwDeg f32	tgt TrgOvlSta Per1 CWPosition HwDeg f32
tgt Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 ESCFault Cnt Igc	tgt TrqOvlSta Per1 ESCFault Cnt lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_Igc	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 TrgOvlSta Per1 ESCState State enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_enum
	102 1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1





Name	Input Value		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEna	ble_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_Igc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnal		
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_enun		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpe	eed_Kph_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpe	ed_Kph_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_I	gc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_Hw	Deg f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lg		
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_SWARTrgtAngReques	t_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse	_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f	32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lg		
		•	
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		
	-766.409973		
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value			
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_ESClsLimited_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		
	0		
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value			
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.100000001		
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-26.7000008		
tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc.value	1		
Name	Actual Value	Expected Value	Result
		· ·	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	•
TrqOvISta LKAFault Cnt M Igc	0	0 ± 1	•
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	
TrqOvISta_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	•
TrqOvISta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	
	0	0 ± 1	
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value			
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_TrqOviSta_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			
tgt_frqoviota_refr_frqoseAmp_withvin_isz.value	0.252000004	0.252000004 ± 0.0009765625	•
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value			-
	0.252000004	0.252000004 ± 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 TrgOvlSta Per1 CP1 CheckpointReached	1	_

Jama	Innut Value
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_TrqOvISta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvISta_APAState_State_M_enum	
TrqOvISta_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
FrqOvlSta_Haptictime_Sec_M_f32	21465
rqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	3.45000005
rqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0450000018
rqOvlSta_LKAFault_Cnt_M_lgc	0
FrqOvISta_LKAPermFault_Cnt_M_lgc	0
FrqOvlSta_LKAPermFault_Cnt_M_u08	2
rqOvlSta_LKAState_State_M_enum	0
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	46.2999992
FrqOvlSta_ReadytoPulse_Cnt_M_lgc	0
x_APAIncludeHaptic_Cnt_lgc	0
x_APAMaxHwTrqTime_Sec_f32	0.519999981
x_APAMaxHwTrq_HwNm_f32	3.44000006
x_APAMaxVehSpd_Kph_f32	77.4000015
x_ESCMaxVehSpd_Kph_f32	108.5
C_HapticAmplitude_MtrNm_f32	0.257999986
x_HapticDuration_Sec_f32	0.644999981
_HapticFreq_Hz_f32	24.0779991
_HapticReacttime_Sec_f32	0.688000023
:_LKAMaxVehSpd_Kph_f32	81.6999969
:_LKAMinVehSpd_Kph_f32	75.25
_MaxHapticReqTime_Sec_f32	0.660000026
z_SWARLimiter_HwDeg_f32	59.5999985
ShiftLevRevTime_Sec_f32	0.172999993
StandstillThresh_Kph_f32	1.72000003
_StandstillTime_Sec_f32	0.172999993
gt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-1.54999995
$gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc$	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
gt Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 ESCIsLimited Cnt Igc	tgt TrqOvlSta Per1 ESCIsLimited Cnt Igc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
gt Rte Inst Ap TrqOvISta.TrqOvISta Per1 GMOSH APAMfgEnable Cnt Igc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
gt Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 GMOSH LKAMfgEnable Cnt lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOviota.TrqOviota_Fet1_Giviotin_EtvalvingEnable_Git_ge	tgt TrqOvISta Per1 HapticRequest Cnt Igc
gt Rte Inst Ap TrqOviSta.TrqOviSta Per1 HwTorque HwNm f32	tgt TrqOvISta Per1 HwTorque HwNm f32
gt_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Per1_LKAFault_Cnt_Igc	tgt_TrqOvIsta_Per1_LKAFault_Cnt_lgc
gt_Rte_inst_Ap_frqOviSta_frqOviSta_FerrRAFatit_Crit_igc gt_Rte_inst_Ap_frqOviSta_TrqOviSta_PerrrRAFatit_Crit_igc	tgt_TrqOvISta_Per1_LKAInhibit_Cnt_lgc
gt_Rte_inst_Ap_1rqOviSta.1rqOviSta_Per1_LKAInnibit_Cnt_igc gt_Rte_inst_Ap_TrqOviSta.TrqOviSta_Per1_LKARequest_Cnt_lgc	tgt_frqOviSta_Peri_LKAinnibit_Cnt_igc tgt_TrqOviSta_Peri_LKARequest_Cnt_igc
gt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_LKAState_State_enum	tgt_TrqOvISta_Per1_LKAState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc





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_Hv	vDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngReque	est_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverlsInRevers	se_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	Ī		
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_ESClsLimited_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_UIs_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	•

Test Step Call Trace				V
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 TrgOvISta Per1 CP1 CheckpointReached	1	Rte Call TrgOvlSta Per1 CP1 CheckpointReached	1	_

24.0779991

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

 $tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value$

24.0779991 ± 0.0009765625

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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
TrqOvISta_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
TrqOvISta_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	3.5199998
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_LKAMia\/ahSad_Kah_f32	83.5999985
k_LKAMinVehSpd_Kph_f32	77
k_MaxHapticReqTime_Sec_f32	0.675000012
k_SWARLimiter_HwDeg_f32 k_ShiftLevRevTime_Sec_f32	1.29999995 0.177000001
k_StandstillThresh_Kph_f32	1.75999999
k_StandstillTime_Sec_f32 tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	0.177000001
tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_Igc	
tgt_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_Igc	tgt_TrqOvISta_Per1_APARecoverableFaults_Cnt_Igc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOviSta_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_Igc	tgt TrqOvlSta Per1 CWFound Cnt Igc
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_Igc	tgt_TrqOvlSta_Per1_ESClsLimited_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_ShiftLeverlsInReverse_Cnt_Igc	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_APARecoverableFaults_Cnt_lgc.value tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1 1 0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1 1 0 0
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	1 1 0 0 -746.210022
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1 1 0 0 0 -746.210022
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	1 1 0 0 -746.210022

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TrqOviSta_Per i		(GEC)	COLO
Name	Input Value		
tgt_TrqOvlSta_Per1_ESClsLimited_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_ShiftLeverlsInReverse_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	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				V
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

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TrqOvlSta_Per1



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 0.188999996
k_ShiftLevRevTime_Sec_f32	
k_StandstillThresh_Kph_f32 k_StandstillTime_Sec_f32	1.88 0.188999996
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-0.949999988
tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_Igc	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 TrqOvISta.TrqOvISta Per1 APARequest Cnt Igc	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_Igc	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_Igc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_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_Igc	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_TrqOvISta_Per1_ESCFault_Cnt_Igc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value tgt TrqOvlSta Per1 ESCRequest Cnt lgc.value	1
tgt_frqOviSta_Peri_ESCRequest_Cnt_igc.value tgt_frqOviSta_Peri_GMOSH_APAMfgEnable_Cnt_igc.value	1
tgt_TrqOvIsta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvISta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvISta_Per1_HapticRequest_Cnt_Igc.value	1
tgt_TrqOvISta_Per1_HwTorque_HwNm_f32.value	2.0999999
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvISta_Per1_LKAInhibit_Cnt_Igc.value	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	1 236
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	236
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	236 245.800003

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Name	Input Value		
tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_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				V
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

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TrqOvlSta_Per1



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_APADrvrInterventionDe	tected_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFa	aults Cnt Igc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults	Cnt Igc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_Igc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc	0	
tgt Rte Inst Ap TrgOvlSta.TrgOvlSta 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_TrqOvISta_Per1_CCWPosition_HwDeg_	f32	
		102	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_Igc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f3	2	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_Igc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESClsLimited_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_APAMfgEnab	le_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnab	le_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnabl	le_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 TrgOvlSta Per1 LKAFault Cnt Igc		
tgt Rte Inst Ap TrqOvISta.TrqOvISta Per1 LKAInhibit Cnt Igc	tgt TrqOvlSta Per1 LKAlnhibit Cnt lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc		
tgt Rte Inst Ap TrqOvISta.TrqOvISta Per1 LKAState State enum	tgt_TrqOvlSta_Fer1_LKARequest_Crit_igc		
		nd Kah f22	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpee		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpee		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lg		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwD	leg_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_HwDe	eg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest	_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_	Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f3.	2	
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_TrqOvISta_Per1_APARecoverableFaults_Cnt_lgc.value	0		
	1		
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value			
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_TrqOviSta_Per1_HwTorque_HwNm_f32.value	2.29999995		
tgt_TrqOvISta_Per1_LKAFault_Cnt_lgc.value	1		
tgt_TrqOvISta_Per1_LKAInhibit_Cnt_lgc.value	1		
tgt TrqOvISta Per1 LKARequest Cnt Igc.value	0		
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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_ShiftLeverlsInReverse_Cnt_Igc.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	-
TrqOvISta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	
	0	0±1	j
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32			
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	~
Trachileta I MADarra Fault Cat M 1100	0	0.4	

TrqOvlSta_LKAPermFault_Cnt_M_u08

TrqOvlSta_LKAState_State_M_enum

2 ± 1

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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 Igc	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 TrqOvISta.TrqOvISta Per1 APADrvrInterventionDetected Cnt Ig	c tqt TrgOvlSta 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 Igc	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 TrgOvlSta.TrgOvlSta Per1 APAState State enum	tgt TrgOvlSta Per1 APAState State enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 CCWPosition HwDeg f32	tgt TrgOvlSta Per1 CCWPosition HwDeg f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_Igc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 CWPosition HwDeg f32	tgt TrgOvlSta Per1 CWPosition HwDeg f32
tgt Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 ESCFault Cnt Igc	tgt TrqOvlSta Per1 ESCFault Cnt lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_Igc	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 TrgOvlSta Per1 ESCState State enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_enum
	102 1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

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Name	Input Value		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEn	able_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEr	able_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEn	able_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_f	32	
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_lg		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enu		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleS		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSp	· -	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32 tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_H tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvISta_Per1_PosTrajEnable_Gnt_		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvISta_Per1_SWARTrgtAngReque		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverIsInRevers		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_		
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_ESClsLimited_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_ShiftLeverlsInReverse_Cnt_Igc.value	1	1=	
Name	Actual Value	Expected Value	Resul
TrqOvISta_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	
Leaf hall to Linetingham Cot M. 146			
TrqOvlSta_Hapticdur_Cnt_M_u16	7882	7882 ± 1	
TrqOvlSta_Haptictime_Sec_M_f32	7882 0	0 ± 1	
TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	7882 0 6.3315897	0 ± 1 6.33159018 ± 0.000009	•
TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32 TrqOvlSta_LKAFault_Cnt_M_lgc	7882 0 6.3315897 0	0 ± 1 6.33159018 ± 0.000009 0 ± 1	•
TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32 TrqOvlSta_LKAFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_lgc	7882 0 6.3315897 0	0 ± 1 6.33159018 ± 0.000009 0 ± 1 1 ± 1	
TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32 TrqOvlSta_LKAFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_u08	7882 0 6.3315897 0 1	0 ± 1 6.33159018 ± 0.000009 0 ± 1 1 ± 1 3 ± 1	•
TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32 TrqOvlSta_LKAFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_u08 TrqOvlSta_LKAState_State_M_enum	7882 0 6.3315897 0 1 3 3	0 ± 1 6.33159018 ± 0.000009 0 ± 1 1 ± 1 3 ± 1 3	
TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32 TrqOvlSta_LKAFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_u08 TrqOvlSta_LKAState_State_M_enum TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	7882 0 6.3315897 0 1	0 ± 1 6.33159018 ± 0.000009 0 ± 1 1 ± 1 3 ± 1 3 0.150000006 ± 0.0009765625	•
TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32 TrqOvlSta_LKAFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_u08 TrqOvlSta_LKAState_State_M_enum TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvlSta_ReadytoPulse_Cnt_M_lgc	7882 0 6.3315897 0 1 3 3 0.150000006	0 ± 1 6.33159018 ± 0.000009 0 ± 1 1 ± 1 3 ± 1 3 0.150000006 ± 0.0009765625 1 ± 1	
TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32 TrqOvlSta_LKAFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_u08 TrqOvlSta_LKAState_State_M_enum TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvlSta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	7882 0 6.3315897 0 1 3 3 0.150000006	0 ± 1 6.33159018 ± 0.000009 0 ± 1 1 ± 1 3 ± 1 3 0.150000006 ± 0.0009765625	
TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32 TrqOvlSta_LKAFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_u08 TrqOvlSta_LKAState_State_M_enum TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvlSta_ReadytoPulse_Cnt_M_lgc	7882 0 6.3315897 0 1 3 3 0.150000006 1	0 ± 1 6.33159018 ± 0.000009 0 ± 1 1 ± 1 3 ± 1 3 0.150000006 ± 0.0009765625 1 ± 1 1 ± 1	
TrqOvISta_Haptictime_Sec_M_f32 TrqOvISta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32 TrqOvISta_LKAFault_Cnt_M_Igc TrqOvISta_LKAPermFault_Cnt_M_Igc TrqOvISta_LKAPermFault_Cnt_M_u08 TrqOvISta_LKAState_State_M_enum TrqOvISta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvISta_ReadytoPulse_Cnt_M_Igc tgt_TrqOvISta_Per1_APADrvrInterventionDetected_Cnt_Igc.value tgt_TrqOvISta_Per1_APAState_State_enum.value	7882 0 6.3315897 0 1 3 3 0.1500000006 1 1	0 ± 1 6.33159018 ± 0.000009 0 ± 1 1 ± 1 3 ± 1 3 0.150000006 ± 0.0009765625 1 ± 1 1 ± 1	
TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32 TrqOvlSta_LKAFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_u08 TrqOvlSta_LKAState_State_M_enum TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvlSta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value tgt_TrqOvlSta_Per1_APAState_State_enum.value tgt_TrqOvlSta_Per1_ESCState_State_enum.value	7882 0 6.3315897 0 1 3 3 0.1500000006 1 1 0 3	0 ± 1 6.33159018 ± 0.000009 0 ± 1 1 ± 1 3 ± 1 3 0.150000006 ± 0.0009765625 1 ± 1 1 ± 1 0	
TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32 TrqOvlSta_LKAFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_u08 TrqOvlSta_LKAState_State_M_enum TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvlSta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value tgt_TrqOvlSta_Per1_APAState_State_enum.value tgt_TrqOvlSta_Per1_ESCState_State_enum.value tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	7882 0 6.3315897 0 1 3 3 0.150000006 1 1 0 3	0 ± 1 6.33159018 ± 0.000009 0 ± 1 1 ± 1 3 ± 1 3 0.150000006 ± 0.0009765625 1 ± 1 1 ± 1 0 3	
TrqOvISta_Haptictime_Sec_M_f32 TrqOvISta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32 TrqOvISta_LKAFault_Cnt_M_Igc TrqOvISta_LKAPermFault_Cnt_M_Igc TrqOvISta_LKAPermFault_Cnt_M_u08 TrqOvISta_LKAState_State_M_enum TrqOvISta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvISta_ReadytoPulse_Cnt_M_Igc tgt_TrqOvISta_Per1_APADrvrInterventionDetected_Cnt_Igc.value tgt_TrqOvISta_Per1_APAState_State_enum.value tgt_TrqOvISta_Per1_GMOSHOscillateState_State_enum.value tgt_TrqOvISta_Per1_GMOSHOscillateState_enum.value tgt_TrqOvISta_Per1_LKAState_State_enum.value	7882 0 6.3315897 0 1 3 3 0.1500000006 1 1 0 3 0	0 ± 1 6.33159018 ± 0.000009 0 ± 1 1 ± 1 3 ± 1 3 0.150000006 ± 0.0009765625 1 ± 1 1 ± 1 0 3 0	
TrqOvISta_Haptictime_Sec_M_f32 TrqOvISta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32 TrqOvISta_LKAFault_Cnt_M_Igc TrqOvISta_LKAPermFault_Cnt_M_Igc TrqOvISta_LKAPermFault_Cnt_M_u08 TrqOvISta_LKAState_State_M_enum TrqOvISta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvISta_ReadytoPulse_Cnt_M_Igc tgt_TrqOvISta_Per1_APADrvrInterventionDetected_Cnt_Igc.value tgt_TrqOvISta_Per1_APAState_State_enum.value tgt_TrqOvISta_Per1_GMOSHOscillateState_State_enum.value tgt_TrqOvISta_Per1_LKAState_State_enum.value tgt_TrqOvISta_Per1_LKAState_State_enum.value tgt_TrqOvISta_Per1_LKAState_State_enum.value tgt_TrqOvISta_Per1_LKAState_State_enum.value tgt_TrqOvISta_Per1_PosServEnable_Cnt_Igc.value	7882 0 6.3315897 0 1 3 3 0.150000006 1 1 0 3 0 3	0 ± 1 6.33159018 ± 0.000009 0 ± 1 1 ± 1 3 ± 1 3 0.150000006 ± 0.0009765625 1 ± 1 1 ± 1 0 3 0 3	
TrqOvISta_Haptictime_Sec_M_f32 TrqOvISta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32 TrqOvISta_LKAFault_Cnt_M_Igc TrqOvISta_LKAPermFault_Cnt_M_Igc TrqOvISta_LKAPermFault_Cnt_M_u08 TrqOvISta_LKAState_State_M_enum TrqOvISta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvISta_ReadytoPulse_Cnt_M_Igc tgt_TrqOvISta_Per1_APADrvrInterventionDetected_Cnt_Igc.value tgt_TrqOvISta_Per1_APAState_State_enum.value tgt_TrqOvISta_Per1_GMOSHOscillateState_State_enum.value tgt_TrqOvISta_Per1_LKAState_State_enum.value tgt_TrqOvISta_Per1_LKAState_State_enum.value tgt_TrqOvISta_Per1_LKAState_State_enum.value tgt_TrqOvISta_Per1_PosServEnable_Cnt_Igc.value tgt_TrqOvISta_Per1_PosSrvoHwAngle_HwDeg_f32.value	7882 0 6.3315897 0 1 3 3 0.150000006 1 1 0 3 0 3 0 1 0 3	0 ± 1 6.33159018 ± 0.000009 0 ± 1 1 ± 1 3 ± 1 3 0.150000006 ± 0.0009765625 1 ± 1 1 ± 1 0 3 0 3 1 ± 1 0.150000006 ± 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	~

Fest Step 2.44 (Repeat Count = 1)	Innut Value
	Input Value
	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
	tgt_Rte_Inst_Ap_TrqOvlSta
1	1
	1
	0
	14960
	12024
	0
	11800
, -,	36490.3516
rqOvlSta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32	8.48999977
rqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.143999994
	1
rqOvlSta_LKAPermFault_Cnt_M_lgc	0
rqOvlSta_LKAPermFault_Cnt_M_u08	1
rqOvlSta_LKAState_State_M_enum	1
rqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	51.7999992
rqOvlSta_ReadytoPulse_Cnt_M_lgc	0
_APAIncludeHaptic_Cnt_lgc	1
_APAMaxHwTrqTime_Sec_f32	0.569999993
	0.10000001
	93.5999985
_ESCMaxVehSpd_Kph_f32	120.5
_HapticAmplitude_MtrNm_f32	0.312000006
	0.779999971
	26.6480007
	0.832000017
	98.8000031
	91
	0.795000017
	2.5
	0.20900006
	2.07999992
	0.20900006
, = = = , = , = , = ,	-0.200000003
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_Igc	
	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
	tgt_TrqOvlSta_Per1_APAState_State_enum
	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
	tgt_TrqOvlSta_Per1_ESClsLimited_Cnt_lgc
	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
	tgt_TrqOvlSta_Per1_ESCState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
	tgt_TrqOvlSta_Per1_LKAState_State_enum
	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
, r_ ra	-0- 4



TrqOvlSta_Per1

TrqOvista_Peri			MACILIA
Name	Input Value		
tgt Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 PosTrajEnable Cnt Igc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_le	gc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_Hwl		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngReque		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_t	f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lg	jc	
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_ESClsLimited_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_ShiftLeverlsInReverse_Cnt_lgc.value	1		
Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	~
TrqOvISta_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	Y
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	•
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	Y
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 ± 0.000976562	
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	Y
tot TrgOvlSta Per1 TrgOscFreg 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 TrgOvlSta Per1 CP1 CheckpointReached	1	Rte Call TrgOvlSta Per1 CP1 CheckpointReached	1	_

26.6480007

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

 $tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value$

26.6480007 ± 0.0009765625

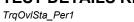
2015-02-04, 12:57:03+0530





4	
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
TrqOvISta_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
TrqOvISta_LKAPermFault_Cnt_M_lgc	0
TrqOvISta_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_ESClsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESClsLimited_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
	1
	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	1
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1 -695.710022

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Name	Input Value		
tgt_TrqOvlSta_Per1_ESClsLimited_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	3.2999995		
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_ShiftLeverlsInReverse_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	•
TrqOvISta_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	- I

Test Step Call Trace				V
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

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0.589999974 7 97.1999969 125.300003 0.324000001 0.810000002 27.6760006 0.864000022 102.599998 94.5 0.82499998 3.099999 0.216999993 2.1600009 0.216999993 0.10000001 tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
97.199969 125.300003 0.32400001 0.81000002 27.6760006 0.86400022 102.599998 94.5 0.824999988 3.099999 0.216999993 2.1600009 0.216999993 0.100000001 tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
125.300003 0.324000001 0.810000002 27.6760006 0.864000022 102.599998 94.5 0.824999988 3.099999 0.216999993 2.16000009 0.216999993 0.100000001 tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
0.324000001 0.81000002 27.6760006 0.864000022 102.599998 94.5 0.824999988 3.099999 0.216999993 2.16000009 0.216999993 0.100000001 tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
0.810000002 27.6760006 0.864000022 102.599998 94.5 0.824999988 3.0999999 0.216999993 2.16000009 0.216999993 0.100000001 tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
27.6760006 0.864000022 102.599998 94.5 0.824999988 3.099999 0.216999993 2.16000009 0.216999993 0.100000001 tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
102.599998 94.5 0.824999988 3.099999 0.216999993 2.16000009 0.216999993 0.100000001 tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
94.5 0.82499998 3.099999 0.216999993 2.16000009 0.216999993 0.100000001 tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
0.824999988 3.099999 0.216999993 2.16000009 0.216999993 0.100000001 tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
3.0999999 0.216999993 2.16000009 0.216999993 0.100000001 tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
0.216999993 2.16000009 0.216999993 0.100000001 tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
2.16000009 0.216999993 0.100000001 tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
0.216999993 0.100000001 tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
0.100000001 tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32 tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_rrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_TrqOvlSta_Per1_ESClsLimited_Cnt_lgc
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_Igc tgt_TrqOvlSta_Per1_HapticRequest_Cnt_Igc
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
0
0
0
-685.609985
0
582.299988
0
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0
1
3.5
1
1
0
260.5
270.299988
0
0.180000007 -13.8999996

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Name	Input Value		
	0		
tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc.value	-	From a stand Walton	D 14
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

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TrqOvlSta_Per1



Name	Input Value		
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	0.550000012		
$tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgasers and the property of the pro$	tgt_TrqOvlSta_Per1_APADrvrInterventionDe	tected_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFa	aults_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults	_Cnt_lgc	
tgt Rte Inst Ap TrqOvISta.TrqOvISta Per1 APARequest Cnt Igc	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_t	f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc	.02	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f3	2	
		2	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_Igc	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_APAMfgEnabl	le_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnab	le_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnabl	e_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 TrqOvISta.TrqOvISta Per1 LKAState State enum	tgt_TrqOvlSta_rer1_EKARequest_Crit_igc		
	tgt_TrqOvISta_FeT_ENAState_State_endin	nd Knh f22	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	0		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpee		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lg		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwD	-	
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_HwDe	eg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_	_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_	Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	2	
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_TrqOviSta_Per1_APARequest_Cnt_lgc.value	1		
	1		
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value			
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_ESClsLimited_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 TrgOvlSta 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_TrqOvISta_Per1_LKAFault_Cnt_lgc.value	0		
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1		
	0		
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value			
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_ShiftLeverlsInReverse_Cnt_Igc.value	0		
Name	Actual Value	Expected Value	Resul
TrqOvlSta_APAState_State_M_enum	4	4	
TrqOvISta_ESCState_State_M_enum	4	4	
TrqOvISta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	152460	152460 ± 1	
	0	0 ± 1	
TrqOvISta_ElapsedShiftLevRevTime_Sec_M_f32 TrqOvISta_ElapsedStandatillTime_Sec_M_f32			
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	•
TrqOvISta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	
TraOvISta LKAPermFault Cnt M u08	2	2+1	

2

0

2 ± 1

0

TrqOvlSta_LKAPermFault_Cnt_M_u08

 $TrqOvlSta_LKAState_State_M_enum$

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Name	Actual Value	Expected Value	Result
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.18999998	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	0.18999998	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 Igc	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	0.69999988
tgt Rte Inst Ap TrqOvISta.TrqOvISta Per1 APADrvrInterventionDetected Cnt Ig	c tqt TrgOvlSta 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 Igc	tgt TrgOvlSta Per1 APARecoverableFaults Cnt lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 APAState State enum	tgt TrgOvlSta Per1 APAState State enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_Igc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 CCWPosition HwDeg f32	tgt TrgOvlSta Per1 CCWPosition HwDeg f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_Igc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 CWPosition HwDeg f32	tgt TrgOvlSta Per1 CWPosition HwDeg f32
tgt Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 ESCFault Cnt Igc	tgt TrqOvlSta Per1 ESCFault Cnt lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_Igc	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 TrgOvlSta Per1 ESCState State enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_enum
	102 , 2 , 2 , 1 , 1 , 1 , 1 , 1 , 1 , 1 ,

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Name	Input Value		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEna	ble Cnt lac	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEna		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnal		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lg		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32	2	
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_enun	1	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpe	eed_Kph_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpe		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_l		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_Hw		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lg		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwE		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32 tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_SWARTrgtAngReques tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse		
tgt_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOviSta_Per1_TrqOscAmp_MtrNm_f		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lg		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32	•	
tgt TrgOvlSta Per1 APANonRecoverableFaults Cnt Igc.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_ShiftLeverlsInReverse_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	Y
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_UIs_f32	8.80300045	8.80300045 ± 0.000009	-
TrqOvISta_LKAFault_Cnt_M_lgc TrqOvISta_LKAPermFault_Cnt_M_lgc	1	1±1	
TrqOvISta_LKAPermFault_Cnt_M_gc TrqOvISta_LKAPermFault_Cnt_M_u08	3	1 ± 1 3 ± 1	-
TrqOvISta_LKAState_State_M_enum	4	4	
TrqOvISta_ExAstate_state_w_entitiii TrqOvISta PosSrvoHwAngle HwDeg M f32	56.2000008	56.2000008 ± 0.0009765625	-
TrqOvISta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	
tgt TrqOvlSta Per1 APADrvrInterventionDetected Cnt Igc.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_TrqOviSta_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	~
igi_fiqOviola_Feff_fiqOscifeq_fiz_loz.value			



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
FrqOvISta_APAState_State_M_enum	1
FrqOvlSta_ESCState_State_M_enum	1
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	220386
FrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	30810
FrqOvlSta_ElapsedStandstillTime_Sec_M_f32	44754
FrqOvISta_HapticState_State_M_enum	0
FrqOvlSta_Hapticdur_Cnt_M_u16	20942
FrqOvlSta_Haptictime_Sec_M_f32	51515
rqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0
rqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.221000001
FrqOvlSta_LKAFault_Cnt_M_lgc	0
FrqOvISta_LKAPermFault_Cnt_M_lgc	0
rqOvlSta_LKAPermFault_Cnt_M_u08	1
rqOvlSta_LKAState_State_M_enum	2
rqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	57.2999992
rqOvlSta_ReadytoPulse_Cnt_M_lgc	0
_APAIncludeHaptic_Cnt_lgc	1
_APAMaxHwTrqTime_Sec_f32	0.620000005
APAMaxHwTrg HwNm f32	4.7199979
	106.199997
ESCMaxVehSpd_Kph_f32	132.5
tf32	0.354000002
HapticDuration Sec f32	0.88499999
HapticFreq Hz f32	29.2180004
_HapticReacttime_Sec_f32	0.944000006
raphic cactains_oco_isz LKAMaxVehSpd_Kph_f32	112.099998
CLKAMinVehSpd Kph f32	103.25
- ' - ' -	0.89999976
:_MaxHapticReqTime_Sec_f32	0.099999976 4
x_SWARLimiter_HwDeg_f32	
s_ShiftLevRevTime_Sec_f32	0.237000003
x_StandstillThresh_Kph_f32	2.3599999
s_StandstillTime_Sec_f32	0.237000003
gt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	0.850000024
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lg	· - ·
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_Igc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_Igc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_Igc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOviSta_Per1_PosServEnable_Cnt_lgc
g Ap Inquincia. Inquincia i di i i ududi VEHADIC UIIL ING	





Name	Input Value		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_l	gc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_Hwl	Deg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngReques	st_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse		
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_ESClsLimited_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_ShiftLeverlsInReverse_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	~
TrqOvISta_Hapticdur_Cnt_M_u16	20942	20942 ± 1	~
TrqOvISta_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	~
TrqOvISta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	~
TrqOvISta_LKAPermFault_Cnt_M_u08	1	1 ± 1	~
TrqOvISta_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	~
	I .	1 ± 1	✓
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.109999999	0.109999999 ± 0.0009765625	•

Test Step Call Trace				V
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 TrgOvlSta Per1 CP1 CheckpointReached	1	Rte Call TrgOvISta Per1 CP1 ChecknointReached	1	_

29.2180004

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

 $tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value$

29.2180004 ± 0.0009765625

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TrqOvlSta_Per1



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Name	Input Value
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	254349
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	33980
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	51300
TrqOvISta_HapticState_State_M_enum	0
TrqOvlSta_Hapticdur_Cnt_M_u16	22248
TrqOvlSta_Haptictime_Sec_M_f32	54520
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_UIs_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	0.89999976
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_Igo	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_ESClsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESClsLimited_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_ShiftLeverlsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_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_TrqOvISta_Per1_APARecoverableFaults_Cnt_Igc.value	0
tgt_TrqOvISta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvISta_Per1_CCWFound_Cnt_lgc.value	0
tgt_frqOvista_ren_ccwPound_cnt_igc.value tgt_frqOviSta_Per1_ccwPosition_HwDeg_f32.value	-645.210022
tgt_TrqOvISta_Per1_CWFound_Cnt_Igc.value	0
tgt_TrqOvISta_Per1_CWPosition_HwDeg_f32.value	602.059998
tgt_TrqOvISta_Per1_ESCFault_Cnt_Igc.value	0
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			10-10
Name	Input Value		
tgt_TrqOvlSta_Per1_ESClsLimited_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	4.6999981		
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

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Name	Input Value
k_APAMaxHwTrqTime_Sec_f32	0.63999986
k_APAMaxHwTrq_HwNm_f32	4.88000011
k_APAMaxVehSpd_Kph_f32	109.800003 137.300003
k_ESCMaxVehSpd_Kph_f32 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 0.245000005
k_StandstillTime_Sec_f32 tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	1.14999998
tgt_Rte_Inst_Ap_TrqOvIsta.TrqOvISta_Per1_APADrvrInterventionDetected_Cnt_Igc	
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_Igc	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_Igc	tgt_TrqOvISta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_ESCRequest_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvISta_TrqOvISta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_Igc tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_ESCState_state_enum
tgt_Rte_Inst_Ap_TrqOviota_TrqOviSta_Per1_GMOSH_APAMfgEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_Igc	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_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32 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_Igc	tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc
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 tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1
tgt_rrqovista_rei1_ccwround_cnt_lgc.value	-635.109985
tgt_TrqOvISta_Per1_CWFound_Cnt_Igc.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	
tgt_TrqOvISta_Per1_HapticRequest_Cnt_Igc.value	4.000001
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	4.900001
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value 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
2	

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Name	Input Value		
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_Igc.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_UIs_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

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TrqOvlSta_Per1



Name	Input Value		
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	1.29999995		
$tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgovernormal and the property of th$	tgt_TrqOvlSta_Per1_APADrvrInterventionDe	tected_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFa	aults_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_	<u>f</u> 32	
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_f3	32	
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_APAMfgEnab	le_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnab	le_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnab	le_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgd		
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_MaxSecureVehicleSpec	ed_Kph_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpee	d_Kph_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lg	С	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwD	eg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgd	;	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDe	eg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest	_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_	Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f3	2	
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_ESClsLimited_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_Igc.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_ShiftLeverlsInReverse_Cnt_lgc.value	0		
Name	Actual Value	Expected Value	Resul
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	
TrqOviSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	
Transcriptor LIVAD array Facility Onto Augusta			

TrqOvlSta_LKAPermFault_Cnt_M_u08

TrqOvlSta_LKAState_State_M_enum

4 ± 1





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 Igc	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 TrqOvISta.TrqOvISta Per1 APADrvrInterventionDetected Cnt Ign	c tat TrgOvlSta Per1 APADrvrInterventionDetected Cnt Igc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt Rte Inst Ap TrqOviSta.TrqOviSta Per1 APARecoverableFaults Cnt Igc	tgt TrgOvlSta Per1 APARecoverableFaults Cnt lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 APAState State enum	tgt TrgOvlSta Per1 APAState State enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_Igc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 CCWPosition HwDeg f32	tgt TrgOvlSta Per1 CCWPosition HwDeg f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 CWPosition HwDeg f32	tgt TrgOvlSta Per1 CWPosition HwDeg f32
tgt Rte Inst Ap TrqOvISta.TrqOvISta Per1 ESCFault Cnt Igc	tgt TrqOvlSta Per1 ESCFault Cnt Igc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_Igc	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 TrgOvlSta Per1 ESCState State enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_enum
	102 , 2 : 2 : 1 : 1 : 1 : 1 : 1 : 1 : 1 : 1 :

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Name	Input Value		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnab	ole_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnab	ole_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnab	le_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lge	0	
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_Igc	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_TrqOvISta.TrqOvISta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpe		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpee		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lg tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwI		
tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvISta_Per1_PosTrajEnable_Cnt_lge		
tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwD		
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f3		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOviSta.TrqOviSta_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 -2.70000005		
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc.value	0		
		Even act and Walters	Daguilé
Name Tracoulcia ADAStata State M. anum	Actual Value	Expected Value	Result
TrqOvISta_APAState_State_M_enum	0	0	
TrqOvlSta_ESCState_State_M_enum TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	3	3	
TrqOvISta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1 0 ± 1	-
TrqOvISta ElapsedStandstillTime Sec M f32	0	0±1	
TrqOvlSta_HapticState_State_M_enum	0	0	
TrqOvISta_Hapticdur_Cnt_M_u16	26166	26166 ± 1	
TrqOvlSta Haptictime Sec M f32	63535	63535 ± 1	-
TrgOvISta HwTorqueSV HwNm M Str.SV UIs f32	1.92737675	1.92737687 ± 0.000009	-
TrqOvISta_LKAFault_Cnt_M_lgc		1±1	
TrqOvISta_LKAPermFault_Cnt_M_lgc			
TrqOvISta_LKAPermFault_Cnt_M_u08	1		
		1±1	•
TrqOvlSta LKAState State M enum	1		· ·
	1 4	1 ± 1 4 ± 1	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
TrqOvlSta_LKAState_State_M_enum TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1 4 3	1 ± 1 4 ± 1 3	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	1 4 3 0.150000006	1 ± 1 4 ± 1 3 0.150000006 ± 0.0009765625	· · · · · · · · · · · · · · · · · · ·
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1 4 3 0.150000006 1	1 ± 1 4 ± 1 3 0.150000006 ± 0.0009765625 1 ± 1	~
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvlSta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	1 4 3 0.150000006 1	1 ± 1 4 ± 1 3 0.150000006 ± 0.0009765625 1 ± 1 0 ± 1	· · · · · · · · · · · · · · · · · · ·
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvlSta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value tgt_TrqOvlSta_Per1_APAState_State_enum.value	1 4 3 0.150000006 1 0	1 ± 1 4 ± 1 3 0.150000006 ± 0.0009765625 1 ± 1 0 ± 1	
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvlSta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value tgt_TrqOvlSta_Per1_APAState_State_enum.value tgt_TrqOvlSta_Per1_ESCState_State_enum.value	1 4 3 0.150000006 1 0 0	1 ± 1 4 ± 1 3 0.150000006 ± 0.0009765625 1 ± 1 0 ± 1 0	· · · · · · · · · · · · · · · · · · ·
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvlSta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value tgt_TrqOvlSta_Per1_APAState_State_enum.value tgt_TrqOvlSta_Per1_ESCState_State_enum.value tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	1 4 3 0.150000006 1 0 0 3	1 ± 1 4 ± 1 3 0.150000006 ± 0.0009765625 1 ± 1 0 ± 1 0 3	· · · · · · · · · · · · · · · · · · ·
TrqOvISta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvISta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvISta_Per1_APADrvrInterventionDetected_Cnt_lgc.value tgt_TrqOvISta_Per1_APAState_State_enum.value tgt_TrqOvISta_Per1_ESCState_State_enum.value tgt_TrqOvISta_Per1_GMOSHOscillateState_State_enum.value tgt_TrqOvISta_Per1_LKAState_State_enum.value	1 4 3 0.150000006 1 0 0 3 0 3	1 ± 1 4 ± 1 3 0.150000006 ± 0.0009765625 1 ± 1 0 ± 1 0 3 0 3	
TrqOvISta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvISta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvISta_Per1_APADrvrInterventionDetected_Cnt_lgc.value tgt_TrqOvISta_Per1_APAState_State_enum.value tgt_TrqOvISta_Per1_ESCState_State_enum.value tgt_TrqOvISta_Per1_GMOSHOscillateState_State_enum.value tgt_TrqOvISta_Per1_LKAState_State_enum.value tgt_TrqOvISta_Per1_LKAState_State_enum.value tgt_TrqOvISta_Per1_PosServEnable_Cnt_lgc.value	1 4 3 0.150000006 1 0 0 3 0 3	1 ± 1 4 ± 1 3 0.150000006 ± 0.0009765625 1 ± 1 0 ± 1 0 3 0 3 1 ± 1	· · · · · · · · · · · · · · · · · · ·
TrqOvISta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvISta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvISta_Per1_APADrvrInterventionDetected_Cnt_lgc.value tgt_TrqOvISta_Per1_APAState_State_enum.value tgt_TrqOvISta_Per1_ESCState_State_enum.value tgt_TrqOvISta_Per1_GMOSHOscillateState_State_enum.value tgt_TrqOvISta_Per1_LKAState_State_enum.value tgt_TrqOvISta_Per1_LKAState_State_enum.value tgt_TrqOvISta_Per1_PosServEnable_Cnt_lgc.value tgt_TrqOvISta_Per1_PosSrvoHwAngle_HwDeg_f32.value	1 4 3 0.150000006 1 0 0 3 0 3 1 0.150000006	1 ± 1 4 ± 1 3 0.150000006 ± 0.0009765625 1 ± 1 0 ± 1 0 3 0 3 1 ± 1 0.150000006 ± 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
<pre><_APAIncludeHaptic_Cnt_lgc</pre>	1
<pre> C632</pre>	0.670000017
<_APAMaxHwTrq_HwNm_f32	5.11999989
<pre><_APAMaxVehSpd_Kph_f32</pre>	115.199997
<pre>c_ESCMaxVehSpd_Kph_f32</pre>	144.5
K HapticAmplitude MtrNm f32	0.384000003
<pre></pre> <pre>K_HapticDuration_Sec_f32</pre>	0.959999979
<pre>K_HapticFreq_Hz_f32</pre>	31.7880001
<pre>c_ HapticReacttime_Sec_f32</pre>	1.02400005
<pre><_haptareastamo_sos_lo2</pre> <pre><_LKAMaxVehSpd_Kph_f32</pre>	121.599998
< LKAMinVehSpd Kph f32	112
<committeespa_rps_o2 <_MaxHapticReqTime_Sec_f32</committeespa_rps_o2 	0.975000024
<_SWARLimiter_HwDeg_f32	5.5
<_ShiftLevRevTime_Sec_f32	0.256999999
Control of the con	2.55999994
<_StandstillTime_Sec_f32	0.256999999
	1.6000002
gt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FitInjection_Sign	
gt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_APADrvrInterventionDetected_Cnt_Igc	
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_Igc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_Igc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESClsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESClsLimited_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
rgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc

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Name	Input Value		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lg	jc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_Hw[Deg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngReques	st_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse	_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f	32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lg	С	
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_ESClsLimited_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_Igc.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	V
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	Y
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-5.61499977	-5.61499977 ± 0.000009	Y
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	~
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	Y
TrqOvlSta_LKAPermFault_Cnt_M_u08	1	1 ± 1	V
TrqOvISta_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	Ž
tgt_TrqOvISta_Per1_APAState_State_enum.value	4	4	
tgt_TrqOvlSta_Per1_ESCState_State_enum.value			✓
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 62.7999992 ± 0.0009765625	~
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	62.7999992 0.384000003		
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value		0.384000003 ± 0.0009765625	~
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	·

Test Step Call Trace				V
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 TrgOvISta Per1 CP1 CheckpointReached	1	Rte Call TrgOvlSta Per1 CP1 CheckpointReached	1	_

31.7880001

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

 $tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value$

31.7880001 ± 0.0009765625





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 TrqOvlSta Hapticdur Cnt M u16	0 28778
TrqOvlSta_Haptictime_Sec_M_f32	69545
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32	-5.8499999
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.287
TrqOvISta_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 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_FitInjection_Sign	1.75
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_Igo tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_Igo	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Per1_APARecoverableFaults_Cnt_lgc tgt_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvIsta_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_Igc	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_Igc	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_Igc	tgt_TrqOvlSta_Per1_ESClsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_Igc	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_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvIsta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_Igc	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_Igc	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_Igc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc tgt TrqOvlSta Per1 PosTrajHwAngle HwDeg f32
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_PerT_PosTraJHwAngle_HwDeg_t32 tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_PerT_SWARTrgtAngRequest_HwDeg_t32	tgt_frqovista_peri_postrajhwangie_hwbeg_f32 tgt_frqovista_peri_swarfgtangRequest_hwbeg_f32
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_SwArkTrgtArigtRequest_Twbeg_ISz tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_ShiftLeverIsInReverse_Cnt_Igc	tgt_TrqOvIsta_Per1_ShiftLeverIsInReverse_Cnt_Igc
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

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Name	Input Value		
tgt_TrqOvlSta_Per1_ESClsLimited_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	Innuit Value
11000	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
TrqOvISta_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	0.68999998
k_APAMaxHwTrq_HwNm_f32	5.28000021
k_APAMaxVehSpd_Kph_f32	118.800003
k_ESCMaxVehSpd_Kph_f32	149.300003
k_HapticAmplitude_MtrNm_f32	0.395999998
	0.99000001
	32.8160019
	1.05599999
	125.400002
	115.5
	0.100000001
	6.099999 0.264999986
	2.640001
	0.264999986
	1.8999998
	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_Igc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
	tgt_TrqOvlSta_Per1_APAState_State_enum
	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
	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_ESClsLimited_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_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
	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_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_Igc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
	tgt TrgOvlSta Per1 MinSecureVehicleSpeed Kph f32
tgt Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 PosServEnable Cnt Igc	tgt TrgOvlSta Per1 PosServEnable Cnt lgc
	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_ShiftLeverlsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_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
	0
0_ 1	0
	0
01 1 1 2 2 3	0
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-584.609985
0- 1	0
	631.700012
0_ ,	0
	0
	0
	0
	0
	1
	5.9000001
	1
	0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
	0 309.5
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	309.5
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	309.5 319.299988

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Name	Input Value		
tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_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				V
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	0.69999988
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

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TrqOvlSta_Per1



Name	Input Value		
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	2.04999995		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_Igo	tgt_TrqOvlSta_Per1_APADrvrInterventionDe	tected Cnt Igc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFa		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_Igc	tgt_TrqOvlSta_Per1_APARecoverableFaults		
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_Igc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc	£0.0	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_	,T32	
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_f3	32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESClsLimited_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_APAMfgEnab	le_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnab	le Cnt Igc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnab		
tgt Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 HapticRequest Cnt Igc	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_Igc	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_MaxSecureVehicleSpec	ed_Kph_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpee	d_Kph_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lg	С	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwD	Deg 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_HwD		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f3		
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		
	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	0.18999998		
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	3.70000005		
tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc.value	1	1	
Name	Actual Value	Expected Value	Resul
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	
	31390	31390 ± 1	
TrqOvlSta_Hapticdur_Cnt_M_u16			
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	•
TrqOviSta_LKAPermFault_Cnt_M_u08	4	4 ± 1	•
TrgOvlSta LKAState State M enum	3	3	

 $TrqOvlSta_LKAState_State_M_enum$

3

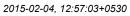
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Name	Actual Value	Expected Value	Result
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.189999998	0.189999998 ± 0.0009765625	~
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	~
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	✓
tgt_TrqOvlSta_Per1_APAState_State_enum.value	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	~

Namo	Input Value
Name	•
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
FrqOvlSta_ESCState_State_M_enum	0
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	526053
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	51149.6797
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	103668
TrqOvISta_HapticState_State_M_enum	2
FrqOvlSta_Hapticdur_Cnt_M_u16	32696
FrqOvISta_Haptictime_Sec_M_f32	78560
FrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-4.80000019
rqOvlSta_HwTorqueSV_HwNm_M_Str.K_UIs_f32	0.319999993
rqOvlSta_LKAFault_Cnt_M_lgc	1
rqOvlSta_LKAPermFault_Cnt_M_lgc	1
FrqOvlSta_LKAPermFault_Cnt_M_u08	1
FrqOvlSta_LKAState_State_M_enum	T.
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	67.1999969
FrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
APAIncludeHaptic Cnt Igc	0
s_APAMaxHwTrqTime_Sec_f32	0.709999979
 C_APAMaxHwTrq_HwNm_f32	5.44000006
APAMaxVehSpd Kph f32	122.400002
<pre>c_ESCMaxVehSpd_Kph_f32</pre>	154.100006
C_HapticAmplitude_MtrNm_f32	0.407999992
HapticDuration Sec f32	1.01999998
<pre><_napicSulditisi_000_i02</pre> <pre><_HapticFreq_Hz_f32</pre>	33.8440018
HapticReacttime Sec f32	1.08800006
C_HapitoNeacttiffe_Sec_132	129.199997
:_LKAMinVehSpd_Kph_f32	119
	0.300000012
C_MaxHapticReqTime_Sec_f32	
SSWARLimiter_HwDeg_f32	6.6999981
<pre>c_ShiftLevRevTime_Sec_f32</pre>	0.273000002
x_StandstillThresh_Kph_f32	2.72000003
s_StandstillTime_Sec_f32	0.273000002
gt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	2.20000005
gt Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 APADrvrInterventionDetected Cnt Ig	
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_Igc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESClsLimited_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum





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Name	Input Value		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEna	ble_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEna	ble_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEna	ble_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_k	gc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f3:	2	
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_Igc	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_enur	n	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSp	eed_Kph_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpe	ed_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_Hw	Deg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_l	дс	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_Hwl		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngReques		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lg	ic .	
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_ESClsLimited_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_LKAFault_Cnt_lgc.value tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0		
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0 1 0		
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	0 1 0 319.299988		
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	0 1 0 319.299988 329.100006		
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	0 1 0 319.299988 329.100006 0		
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0 1 0 319.299988 329.100006 0 0.100000001		
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	0 1 0 319.299988 329.100006 0 0.100000001 5.30000019		
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc.value	0 1 0 319.299988 329.100006 0 0.100000001 5.30000019		
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc.value Name	0 1 0 319.299988 329.100006 0 0.100000001 5.30000019 1 Actual Value	Expected Value	
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc.value Name TrqOvlSta_APAState_State_M_enum	0 1 0 319.299988 329.100006 0 0.100000001 5.30000019 1 Actual Value	4	~
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc.value Name TrqOvlSta_APAState_State_M_enum TrqOvlSta_ESCState_State_M_enum	0 1 0 319.299988 329.100006 0 0.100000001 5.30000019 1 Actual Value 4	4	~
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc.value Name TrqOvlSta_APAState_State_M_enum TrqOvlSta_ESCState_State_M_enum TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0 1 0 319.299988 329.100006 0 0.100000001 5.30000019 1 Actual Value 4	4 4 0±1	· ·
tgt_TrqOvISta_Per1_LKAFault_Cnt_lgc.value tgt_TrqOvISta_Per1_LKAInhibit_Cnt_lgc.value tgt_TrqOvISta_Per1_LKARequest_Cnt_lgc.value tgt_TrqOvISta_Per1_LKARequest_Cnt_lgc.value tgt_TrqOvISta_Per1_MaxSecureVehicleSpeed_Kph_f32.value tgt_TrqOvISta_Per1_MinSecureVehicleSpeed_Kph_f32.value tgt_TrqOvISta_Per1_PosTrajEnable_Cnt_lgc.value tgt_TrqOvISta_Per1_PosTrajHwAngle_HwDeg_f32.value tgt_TrqOvISta_Per1_SWARTrgtAngRequest_HwDeg_f32.value tgt_TrqOvISta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value Name TrqOvISta_APAState_State_M_enum TrqOvISta_EsCState_State_M_enum TrqOvISta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 TrqOvISta_ElapsedShiftLevRevTime_Sec_M_f32	0 1 0 319.299988 329.100006 0 0.100000001 5.30000019 1 Actual Value 4 0 51149.6797	4 4 0 ± 1 51149.6797 ± 1	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
tgt_TrqOvISta_Per1_LKAFault_Cnt_lgc.value tgt_TrqOvISta_Per1_LKAInhibit_Cnt_lgc.value tgt_TrqOvISta_Per1_LKARequest_Cnt_lgc.value tgt_TrqOvISta_Per1_LKARequest_Cnt_lgc.value tgt_TrqOvISta_Per1_MaxSecureVehicleSpeed_Kph_f32.value tgt_TrqOvISta_Per1_MinSecureVehicleSpeed_Kph_f32.value tgt_TrqOvISta_Per1_PosTrajEnable_Cnt_lgc.value tgt_TrqOvISta_Per1_PosTrajHwAngle_HwDeg_f32.value tgt_TrqOvISta_Per1_SWARTrgtAngRequest_HwDeg_f32.value tgt_TrqOvISta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value Name TrqOvISta_APAState_State_M_enum TrqOvISta_EsCState_State_M_enum TrqOvISta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 TrqOvISta_ElapsedShiftLevRevTime_Sec_M_f32 TrqOvISta_ElapsedStandstillTime_Sec_M_f32	0 1 0 319.299988 329.100006 0 0.100000001 5.30000019 1 Actual Value 4 4 0 51149.6797	4 4 0±1 51149.6797±1 0±1	, , , , , , , , , , , , , , , , , , ,
tgt_TrqOvISta_Per1_LKAFault_Cnt_lgc.value tgt_TrqOvISta_Per1_LKAInhibit_Cnt_lgc.value tgt_TrqOvISta_Per1_LKARequest_Cnt_lgc.value tgt_TrqOvISta_Per1_LKARequest_Cnt_lgc.value tgt_TrqOvISta_Per1_MaxSecureVehicleSpeed_Kph_f32.value tgt_TrqOvISta_Per1_MinSecureVehicleSpeed_Kph_f32.value tgt_TrqOvISta_Per1_PosTrajEnable_Cnt_lgc.value tgt_TrqOvISta_Per1_PosTrajHwAngle_HwDeg_f32.value tgt_TrqOvISta_Per1_SWARTrgtAngRequest_HwDeg_f32.value tgt_TrqOvISta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value Name TrqOvISta_APAState_State_M_enum TrqOvISta_EsCState_State_M_enum TrqOvISta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 TrqOvISta_ElapsedShiftLevRevTime_Sec_M_f32 TrqOvISta_ElapsedStandstillTime_Sec_M_f32 TrqOvISta_HapticState_State_M_enum	0 1 0 319.299988 329.100006 0 0.100000001 5.30000019 1 Actual Value 4 4 0 51149.6797 0	4 4 0±1 51149.6797±1 0±1 2	, , , , , , , , , , , , , , , , , , ,
tgt_TrqOvISta_Per1_LKAFault_Cnt_lgc.value tgt_TrqOvISta_Per1_LKAInhibit_Cnt_lgc.value tgt_TrqOvISta_Per1_LKARequest_Cnt_lgc.value tgt_TrqOvISta_Per1_LKARequest_Cnt_lgc.value tgt_TrqOvISta_Per1_MaxSecureVehicleSpeed_Kph_f32.value tgt_TrqOvISta_Per1_MinSecureVehicleSpeed_Kph_f32.value tgt_TrqOvISta_Per1_PosTrajEnable_Cnt_lgc.value tgt_TrqOvISta_Per1_PosTrajHwAngle_HwDeg_f32.value tgt_TrqOvISta_Per1_SWARTrgtAngRequest_HwDeg_f32.value tgt_TrqOvISta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value Name TrqOvISta_APAState_State_M_enum TrqOvISta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 TrqOvISta_ElapsedShiftLevRevTime_Sec_M_f32 TrqOvISta_ElapsedStandstillTime_Sec_M_f32 TrqOvISta_HapticState_State_M_enum TrqOvISta_HapticState_State_M_enum TrqOvISta_HapticOtar_Cnt_M_u16	0 1 0 319.299988 329.100006 0 0.100000001 5.30000019 1 Actual Value 4 4 0 51149.6797 0 2 32696	4 4 0±1 51149.6797±1 0±1 2 32696±1	
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tgt_TrqOvIsta_Per1_LKAFault_Cnt_lgc.value tgt_TrqOvIsta_Per1_LKAInhibit_Cnt_lgc.value tgt_TrqOvIsta_Per1_LKARequest_Cnt_lgc.value tgt_TrqOvIsta_Per1_MaxSecureVehicleSpeed_Kph_f32.value tgt_TrqOvIsta_Per1_MinSecureVehicleSpeed_Kph_f32.value tgt_TrqOvIsta_Per1_MinSecureVehicleSpeed_Kph_f32.value tgt_TrqOvIsta_Per1_PosTrajEnable_Cnt_lgc.value tgt_TrqOvIsta_Per1_PosTrajHwAngle_HwDeg_f32.value tgt_TrqOvIsta_Per1_SWARTrgtAngRequest_HwDeg_f32.value tgt_TrqOvIsta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value Name TrqOvIsta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value Name TrqOvIsta_APAState_State_M_enum TrqOvIsta_EScState_State_M_enum TrqOvIsta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 TrqOvIsta_ElapsedShiftLevRevTime_Sec_M_f32 TrqOvIsta_ElapsedStandstillTime_Sec_M_f32 TrqOvIsta_ElapsedStandstillTime_Sec_M_f32 TrqOvIsta_HapticState_State_M_enum TrqOvIsta_HapticState_State_M_enum TrqOvIsta_Hapticotur_Cnt_M_u16 TrqOvIsta_Hapticotur_Cnt_M_u16 TrqOvIsta_Hapticotur_Sec_M_f32 TrqOvIsta_HwTorqueSV_HwMm_M_Str.SV_UIs_f32 TrqOvIsta_LKAFault_Cnt_M_lgc TrqOvIsta_LKAPermFault_Cnt_M_lgc TrqOvIsta_LKAPermFault_Cnt_M_u08 TrqOvIsta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvIsta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvIsta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0 1 0 319.299988 329.100006 0 0.100000001 5.30000019 1 Actual Value 4 4 0 51149.6797 0 2 32696 0 -4.80000019 0 1 1 4 67.1999969 1 0	4 4 0±1 51149.6797±1 0±1 2 32696±1 0±1 -4.80000019±0.000009 0±1 1±1 1±1 4 67.1999969±0.0009765625 1±1 0±1	
tgt_TrqOvIsta_Per1_LKAFault_Cnt_lgc.value tgt_TrqOvIsta_Per1_LKAInhibit_Cnt_lgc.value tgt_TrqOvIsta_Per1_LKARequest_Cnt_lgc.value tgt_TrqOvIsta_Per1_MaxSecureVehicleSpeed_Kph_f32.value tgt_TrqOvIsta_Per1_MinSecureVehicleSpeed_Kph_f32.value tgt_TrqOvIsta_Per1_PosTrajEnable_Cnt_lgc.value tgt_TrqOvIsta_Per1_PosTrajEnable_Cnt_lgc.value tgt_TrqOvIsta_Per1_PosTrajHwAngle_HwDeg_f32.value tgt_TrqOvIsta_Per1_SWARTrgtAngRequest_HwDeg_f32.value tgt_TrqOvIsta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value Name TrqOvIsta_APAState_State_M_enum TrqOvIsta_EScState_State_M_enum TrqOvIsta_EScState_State_M_enum TrqOvIsta_ElapsedShiftLevRevTime_Sec_M_f32 TrqOvIsta_ElapsedShiftLevRevTime_Sec_M_f32 TrqOvIsta_ElapsedStandstillTime_Sec_M_f32 TrqOvIsta_HapticState_State_M_enum TrqOvIsta_Hapticotur_Cnt_M_u16 TrqOvIsta_Hapticdur_Cnt_M_u16 TrqOvIsta_Hapticdur_Cnt_M_u16 TrqOvIsta_Hapticdur_Cnt_M_lgc TrqOvIsta_LKAFault_Cnt_M_lgc TrqOvIsta_LKAPermFault_Cnt_M_lgc TrqOvIsta_LKAPermFault_Cnt_M_u08 TrqOvIsta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvIsta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvIsta_Per1_APADrvrInterventionDetected_Cnt_lgc.value tgt_TrqOvIsta_Per1_APAState_State_enum.value	0 1 0 319.299988 329.100006 0 0.100000001 5.30000019 1 Actual Value 4 4 0 51149.6797 0 2 32696 0 -4.80000019 0 1 1 4 67.1999969 1 0 4	4 4 0±1 51149.6797±1 0±1 2 32696±1 0±1 -4.80000019±0.000009 0±1 1±1 1±1 4 67.1999969±0.0009765625 1±1 0±1 4	
tgt_TrqOvISta_Per1_LKAFault_Cnt_lgc.value tgt_TrqOvISta_Per1_LKAInhibit_Cnt_lgc.value tgt_TrqOvISta_Per1_LKARequest_Cnt_lgc.value tgt_TrqOvISta_Per1_MaxSecureVehicleSpeed_Kph_f32.value tgt_TrqOvISta_Per1_MinSecureVehicleSpeed_Kph_f32.value tgt_TrqOvISta_Per1_PosTrajEnable_Cnt_lgc.value tgt_TrqOvISta_Per1_PosTrajEnable_Cnt_lgc.value tgt_TrqOvISta_Per1_PosTrajHwAngle_HwDeg_f32.value tgt_TrqOvISta_Per1_SWARTrgtAngRequest_HwDeg_f32.value tgt_TrqOvISta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value Name TrqOvISta_APAState_State_M_enum TrqOvISta_ESCState_State_M_enum TrqOvISta_ESCState_State_M_enum TrqOvISta_ElapsedShiftLevRevTime_Sec_M_f32 TrqOvISta_ElapsedShiftLevRevTime_Sec_M_f32 TrqOvISta_HapticState_State_M_enum TrqOvISta_HapticState_State_M_enum TrqOvISta_Hapticdur_Cnt_M_u16 TrqOvISta_Hapticdur_Cnt_M_u16 TrqOvISta_Haptictime_Sec_M_f32 TrqOvISta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32 TrqOvISta_LKAFault_Cnt_M_lgc TrqOvISta_LKAPermFault_Cnt_M_lgc TrqOvISta_LKAPermFault_Cnt_M_lgc TrqOvISta_LKAState_State_M_enum TrqOvISta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvISta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvISta_Per1_APADrvrInterventionDetected_Cnt_lgc.value tgt_TrqOvISta_Per1_APAState_State_enum.value tgt_TrqOvISta_Per1_ESCState_State_enum.value	0 1 0 319.299988 329.100006 0 0.100000001 5.30000019 1 Actual Value 4 4 0 51149.6797 0 2 32696 0 -4.80000019 0 1 1 4 67.1999969 1 0 4	4 4 0±1 51149.6797±1 0±1 2 32696±1 0±1 -4.80000019±0.000009 0±1 1±1 1±1 4 67.1999969±0.0009765625 1±1 0±1 4	
tgt_TrqOvIsta_Per1_LKAFault_Cnt_lgc.value tgt_TrqOvIsta_Per1_LKAInhibit_Cnt_lgc.value tgt_TrqOvIsta_Per1_LKARequest_Cnt_lgc.value tgt_TrqOvIsta_Per1_MaxSecureVehicleSpeed_Kph_f32.value tgt_TrqOvIsta_Per1_MinSecureVehicleSpeed_Kph_f32.value tgt_TrqOvIsta_Per1_PosTrajEnable_Cnt_lgc.value tgt_TrqOvIsta_Per1_PosTrajEnable_Cnt_lgc.value tgt_TrqOvIsta_Per1_PosTrajHwAngle_HwDeg_f32.value tgt_TrqOvIsta_Per1_SWARTrgtAngRequest_HwDeg_f32.value tgt_TrqOvIsta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value Name TrqOvIsta_APAState_State_M_enum TrqOvIsta_ESCState_State_M_enum TrqOvIsta_ESCState_State_M_enum TrqOvIsta_ElapsedShiftLevRevTime_Sec_M_f32 TrqOvIsta_ElapsedShiftLevRevTime_Sec_M_f32 TrqOvIsta_HapticState_State_M_enum TrqOvIsta_HapticState_State_M_enum TrqOvIsta_Hapticdur_Cnt_M_u16 TrqOvIsta_Haptictime_Sec_M_f32 TrqOvIsta_Haptictime_Sec_M_f32 TrqOvIsta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32 TrqOvIsta_LKAPermFault_Cnt_M_lgc TrqOvIsta_LKAPermFault_Cnt_M_lgc TrqOvIsta_LKAPermFault_Cnt_M_u08 TrqOvIsta_LKAState_State_M_enum TrqOvIsta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvIsta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvIsta_Per1_APADrvrInterventionDetected_Cnt_lgc.value tgt_TrqOvIsta_Per1_APAState_State_enum.value tgt_TrqOvIsta_Per1_GMOSHOscillateState_State_enum.value	0 1 0 319.299988 329.100006 0 0.100000001 5.30000019 1 Actual Value 4 4 0 51149.6797 0 2 32696 0 -4.80000019 0 1 1 4 67.1999969 1 0 4 4 4	4 4 0±1 51149.6797±1 0±1 2 32696±1 0±1 -4.80000019±0.000009 0±1 1±1 1±1 4 67.1999969±0.0009765625 1±1 0±1 4 4	
tgt_TrqOvIsta_Per1_LKAFault_Cnt_lgc.value tgt_TrqOvIsta_Per1_LKAInhibit_Cnt_lgc.value tgt_TrqOvIsta_Per1_LKARequest_Cnt_lgc.value tgt_TrqOvIsta_Per1_MaxSecureVehicleSpeed_Kph_f32.value tgt_TrqOvIsta_Per1_MinSecureVehicleSpeed_Kph_f32.value tgt_TrqOvIsta_Per1_PosTrajEnable_Cnt_lgc.value tgt_TrqOvIsta_Per1_PosTrajEnable_Cnt_lgc.value tgt_TrqOvIsta_Per1_PosTrajHwAngle_HwDeg_f32.value tgt_TrqOvIsta_Per1_SWARTrgtAngRequest_HwDeg_f32.value tgt_TrqOvIsta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value Name TrqOvIsta_APAState_State_M_enum TrqOvIsta_EScState_State_M_enum TrqOvIsta_EscState_State_M_enum TrqOvIsta_ElapsedShiftLevRevTime_Sec_M_f32 TrqOvIsta_ElapsedShiftLevRevTime_Sec_M_f32 TrqOvIsta_HapticState_State_M_enum TrqOvIsta_HapticState_State_M_enum TrqOvIsta_Hapticdur_Cnt_M_u16 TrqOvIsta_Haptictime_Sec_M_f32 TrqOvIsta_Haptictime_Sec_M_f32 TrqOvIsta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32 TrqOvIsta_LKAPermFault_Cnt_M_lgc TrqOvIsta_LKAPermFault_Cnt_M_lgc TrqOvIsta_LKAPermFault_Cnt_M_lgc TrqOvIsta_LKAPermFault_Cnt_M_lgc TrqOvIsta_LKAState_State_M_enum TrqOvIsta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvIsta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvIsta_Per1_APADrvrInterventionDetected_Cnt_lgc.value tgt_TrqOvIsta_Per1_APAState_State_enum.value tgt_TrqOvIsta_Per1_APAState_State_enum.value tgt_TrqOvIsta_Per1_GMOSHOscillateState_State_enum.value tgt_TrqOvIsta_Per1_LKAState_State_enum.value	0 1 0 319.299988 329.100006 0 0.100000001 5.30000019 1 Actual Value 4 4 0 51149.6797 0 2 32696 0 -4.80000019 0 1 1 4 67.1999969 1 0 4 4 4 2	4 4 0±1 51149.6797±1 0±1 2 32696±1 0±1 -4.80000019±0.000009 0±1 1±1 1±1 4 67.1999969±0.0009765625 1±1 0±1 4 4	
tgt_TrqOvIsta_Per1_LKAFault_Cnt_lgc.value tgt_TrqOvIsta_Per1_LKAInhibit_Cnt_lgc.value tgt_TrqOvIsta_Per1_LKARequest_Cnt_lgc.value tgt_TrqOvIsta_Per1_MaxSecureVehicleSpeed_Kph_f32.value tgt_TrqOvIsta_Per1_MinSecureVehicleSpeed_Kph_f32.value tgt_TrqOvIsta_Per1_PosTrajEnable_Cnt_lgc.value tgt_TrqOvIsta_Per1_PosTrajEnable_Cnt_lgc.value tgt_TrqOvIsta_Per1_PosTrajHwAngle_HwDeg_f32.value tgt_TrqOvIsta_Per1_SWARTrgtAngRequest_HwDeg_f32.value tgt_TrqOvIsta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value Name TrqOvIsta_APAState_State_M_enum TrqOvIsta_ESCState_State_M_enum TrqOvIsta_ESCState_State_M_enum TrqOvIsta_ElapsedShiftLevRevTime_Sec_M_f32 TrqOvIsta_ElapsedStandstillTime_Sec_M_f32 TrqOvIsta_HapticState_State_M_enum TrqOvIsta_HapticState_State_M_enum TrqOvIsta_Hapticotur_Cnt_M_u16 TrqOvIsta_Haptictime_Sec_M_f32 TrqOvIsta_Haptictime_Sec_M_f32 TrqOvIsta_LKAFault_Cnt_M_lgc TrqOvIsta_LKAPermFault_Cnt_M_lgc TrqOvIsta_LKAPermFault_Cnt_M_lgc TrqOvIsta_LKAPermFault_Cnt_M_lgc TrqOvIsta_LKAPermFault_Cnt_M_lgc TrqOvIsta_LKAPermFault_Cnt_M_lgc TrqOvIsta_LKAPermFault_Cnt_M_lgc TrqOvIsta_PerSovroHwAngle_HwDeg_M_f32 TrqOvIsta_PesSrvoHwAngle_HwDeg_M_f32 TrqOvIsta_PesSrvoHwAngle_HwDeg_M_f32 TrqOvIsta_Per1_APADrvrInterventionDetected_Cnt_lgc.value tgt_TrqOvIsta_Per1_APAState_State_enum.value tgt_TrqOvIsta_Per1_APAState_State_enum.value tgt_TrqOvIsta_Per1_APAState_State_enum.value tgt_TrqOvIsta_Per1_APAState_State_enum.value tgt_TrqOvIsta_Per1_APAState_State_enum.value tgt_TrqOvIsta_Per1_APAState_State_enum.value tgt_TrqOvIsta_Per1_APAState_State_enum.value tgt_TrqOvIsta_Per1_APAState_State_enum.value tgt_TrqOvIsta_Per1_APAState_State_enum.value	0 1 0 319.299988 329.100006 0 0.100000001 5.30000019 1 Actual Value 4 4 0 51149.6797 0 2 32696 0 -4.80000019 0 1 1 4 67.1999969 1 0 4 4 4 2 4 0	4 4 0±1 51149.6797±1 0±1 2 32696±1 0±1 -4.80000019±0.000009 0±1 1±1 1±1 4 67.1999969±0.0009765625 1±1 0±1 4 4 2 4 0±1	
tgt_TrqOvIsta_Per1_LKAFault_Cnt_lgc.value tgt_TrqOvIsta_Per1_LKAInhibit_Cnt_lgc.value tgt_TrqOvIsta_Per1_LKARequest_Cnt_lgc.value tgt_TrqOvIsta_Per1_MaxSecureVehicleSpeed_Kph_f32.value tgt_TrqOvIsta_Per1_MinSecureVehicleSpeed_Kph_f32.value tgt_TrqOvIsta_Per1_PosTrajEnable_Cnt_lgc.value tgt_TrqOvIsta_Per1_PosTrajEnable_Cnt_lgc.value tgt_TrqOvIsta_Per1_PosTrajHwAngle_HwDeg_f32.value tgt_TrqOvIsta_Per1_SWARTrgtAngRequest_HwDeg_f32.value tgt_TrqOvIsta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value Name TrqOvIsta_APAState_State_M_enum TrqOvIsta_ESCState_State_M_enum TrqOvIsta_EsCState_State_M_enum TrqOvIsta_ElapsedShiftLevRevTime_Sec_M_f32 TrqOvIsta_ElapsedStandstillTime_Sec_M_f32 TrqOvIsta_HapticState_State_M_enum TrqOvIsta_HapticIstate_State_M_enum TrqOvIsta_Hapticotur_Cnt_M_u16 TrqOvIsta_Haptictime_Sec_M_f32 TrqOvIsta_Haptictime_Sec_M_f32 TrqOvIsta_LKAFault_Cnt_M_u16 TrqOvIsta_LKAFault_Cnt_M_lgc TrqOvIsta_LKAPermFault_Cnt_M_lgc TrqOvIsta_LKAPermFault_Cnt_M_lgc TrqOvIsta_LKAPermFault_Cnt_M_lgc TrqOvIsta_LKAState_State_M_enum TrqOvIsta_LKAPermFault_Cnt_M_lgc TrqOvIsta_LKAState_State_M_enum TrqOvIsta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvIsta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvIsta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvIsta_Per1_APAState_State_enum.value tgt_TrqOvIsta_Per1_APAState_State_enum.value tgt_TrqOvIsta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0 1 0 319.299988 329.100006 0 0.100000001 5.30000019 1 Actual Value 4 4 0 51149.6797 0 2 32696 0 -4.80000019 0 1 1 4 67.1999969	4 4 0 ± 1 51149.6797 ± 1 0 ± 1 2 32696 ± 1 0 ± 1 -4.80000019 ± 0.000009 0 ± 1 1 ± 1 1 ± 1 4 67.1999969 ± 0.0009765625 1 ± 1 0 ± 1 4 4 2 4 0 ± 1 67.1999969 ± 0.0009765625	
tgt_TrqOvIsta_Per1_LKAFault_Cnt_lgc.value tgt_TrqOvIsta_Per1_LKAInhibit_Cnt_lgc.value tgt_TrqOvIsta_Per1_LKARequest_Cnt_lgc.value tgt_TrqOvIsta_Per1_MaxSecureVehicleSpeed_Kph_f32.value tgt_TrqOvIsta_Per1_MinSecureVehicleSpeed_Kph_f32.value tgt_TrqOvIsta_Per1_PosTrajEnable_Cnt_lgc.value tgt_TrqOvIsta_Per1_PosTrajHwAngle_HwDeg_f32.value tgt_TrqOvIsta_Per1_PosTrajHwAngle_HwDeg_f32.value tgt_TrqOvIsta_Per1_SWARTrgtAngRequest_HwDeg_f32.value tgt_TrqOvIsta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value Name TrqOvIsta_APAState_State_M_enum TrqOvIsta_ESCState_State_M_enum TrqOvIsta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 TrqOvIsta_ElapsedShiftLevRevTime_Sec_M_f32 TrqOvIsta_ElapsedShiftLevRevTime_Sec_M_f32 TrqOvIsta_Hapticstate_State_M_enum TrqOvIsta_Hapticstate_State_M_enum TrqOvIsta_Hapticdur_Cnt_M_u16 TrqOvIsta_Hapticdur_Cnt_M_u16 TrqOvIsta_Haptictime_Sec_M_f32 TrqOvIsta_Haptictime_Sec_M_f32 TrqOvIsta_Haptictime_Sec_M_f32 TrqOvIsta_LKAFault_Cnt_M_lgc TrqOvIsta_LKAFemFault_Cnt_M_lgc TrqOvIsta_LKAPermFault_Cnt_M_lgc TrqOvIsta_LKAState_State_M_enum TrqOvIsta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvIsta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvIsta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvIsta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvIsta_Per1_APAState_State_enum.value tgt_TrqOvIsta_Per1_SCSState_State_enum.value tgt_TrqOvIsta_Per1_SCSState_State_enum.value tgt_TrqOvIsta_Per1_PosSrvoHwAngle_HwDeg_f32.value tgt_TrqOvIsta_Per1_PosSrvoHwAngle_HwDeg_f32.value tgt_TrqOvIsta_Per1_TrqOscAmp_MtrNm_f32.value	0 1 0 319.299988 329.100006 0 0.100000001 5.30000019 1 Actual Value 4 4 0 51149.6797 0 2 32696 0 -4.80000019 0 1 1 4 67.1999969 1 0 4 4 2 4 0 67.1999969 0.407999992	4 4 0 ± 1 51149.6797 ± 1 0 ± 1 2 32696 ± 1 0 ± 1 -4.80000019 ± 0.000009 0 ± 1 1 ± 1 4 4 67.1999969 ± 0.0009765625 1 ± 1 0 ± 1 4 4 2 4 0 ± 1 67.1999969 ± 0.0009765625 0.407999992 ± 0.0009765625	
tgt_TrqOvIsta_Per1_LKAFault_Cnt_lgc.value tgt_TrqOvIsta_Per1_LKAInhibit_Cnt_lgc.value tgt_TrqOvIsta_Per1_LKARequest_Cnt_lgc.value tgt_TrqOvIsta_Per1_MaxSecureVehicleSpeed_Kph_f32.value tgt_TrqOvIsta_Per1_MinSecureVehicleSpeed_Kph_f32.value tgt_TrqOvIsta_Per1_PosTrajEnable_Cnt_lgc.value tgt_TrqOvIsta_Per1_PosTrajEnable_Cnt_lgc.value tgt_TrqOvIsta_Per1_PosTrajHwAngle_HwDeg_f32.value tgt_TrqOvIsta_Per1_SWARTrgtAngRequest_HwDeg_f32.value tgt_TrqOvIsta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value Name TrqOvIsta_APAState_State_M_enum TrqOvIsta_ESCState_State_M_enum TrqOvIsta_EsCState_State_M_enum TrqOvIsta_ElapsedShiftLevRevTime_Sec_M_f32 TrqOvIsta_ElapsedStandstillTime_Sec_M_f32 TrqOvIsta_HapticState_State_M_enum TrqOvIsta_HapticIstate_State_M_enum TrqOvIsta_Hapticotur_Cnt_M_u16 TrqOvIsta_Haptictime_Sec_M_f32 TrqOvIsta_Haptictime_Sec_M_f32 TrqOvIsta_LKAFault_Cnt_M_u16 TrqOvIsta_LKAFault_Cnt_M_lgc TrqOvIsta_LKAPermFault_Cnt_M_lgc TrqOvIsta_LKAPermFault_Cnt_M_lgc TrqOvIsta_LKAPermFault_Cnt_M_lgc TrqOvIsta_LKAState_State_M_enum TrqOvIsta_LKAPermFault_Cnt_M_lgc TrqOvIsta_LKAState_State_M_enum TrqOvIsta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvIsta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvIsta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvIsta_Per1_APAState_State_enum.value tgt_TrqOvIsta_Per1_APAState_State_enum.value tgt_TrqOvIsta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0 1 0 319.299988 329.100006 0 0.100000001 5.30000019 1 Actual Value 4 4 0 51149.6797 0 2 32696 0 -4.80000019 0 1 1 4 67.1999969	4 4 0 ± 1 51149.6797 ± 1 0 ± 1 2 32696 ± 1 0 ± 1 -4.80000019 ± 0.000009 0 ± 1 1 ± 1 1 ± 1 4 67.1999969 ± 0.0009765625 1 ± 1 0 ± 1 4 4 2 4 0 ± 1 67.1999969 ± 0.0009765625	Result



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
FrqOvISta_ElapsedShiftLevRevTime_Sec_M_f32	51949.3594
FrqOvlSta_ElapsedStandstillTime_Sec_M_f32	110214
FrqOvlSta_HapticState_State_M_enum	1
rqOvlSta_Hapticdur_Cnt_M_u16	34002
rqOvlSta_Haptictime_Sec_M_f32	81565.6406
rqOvlSta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32	-4.44999981
rqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.331
FrqOvlSta_LKAFault_Cnt_M_lgc	0
FrqOvISta_LKAPermFault_Cnt_M_lgc	0
rqOvlSta_LKAPermFault_Cnt_M_u08	0
rqOvlSta_LKAState_State_M_enum	0
rqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	68.3000031
rqOvlSta_ReadytoPulse_Cnt_M_lgc	0
_APAIncludeHaptic_Cnt_lgc	1
_APAMaxHwTrqTime_Sec_f32	0.720000029
APAMaxHwTrg HwNm f32	5.51999998
APAMaxVehSpd_Kph_f32	124.199997
ESCMaxVehSpd Kph f32	156.5
tf32	0.414000005
HapticDuration Sec f32	1.03499997
	34.3580017
_HapticReacttime_Sec_f32	1.10399997
raphic cactains_coc_is2 LKAMaxVehSpd_Kph_f32	131.100006
LKAMinVehSpd Kph f32	120.75
:_EtxAlimitVeriSpu_rphi_i32 :_MaxHapticReqTime_Sec_f32	0.40000006
_SWARLimiter_HwDeg_f32	7
	0.27700001
ShiftLevRevTime_Sec_f32	2.75999999
:_StandstillThresh_Kph_f32	
_StandstillTime_Sec_f32	0.27700001
gt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	2.3499999
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_Ig	
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESClsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESClsLimited_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_state_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
2	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32





Name	Input Value		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_I	gc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_Hw	Deg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngReque	est_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInRevers	e_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_Igc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_le	gc	
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_TrqOvISta_Per1_ESCFault_Cnt_lgc.value	1		
tgt TrqOvISta Per1 ESCIsLimited Cnt Igc.value	1		
tgt_TrqOvIsta_Per1_ESCRequest_Cnt_lgc.value	1		
	1		
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value 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_ShiftLeverlsInReverse_Cnt_Igc.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	•
TrgOvlSta 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	•
TrgOvlSta HwTorqueSV HwNm M Str.SV UIs f32	-4.44999981	-4.44999981 ± 0.000009	
TrgOvlSta LKAFault Cnt M lgc	1	1 ± 1	•
TrqOvlSta LKAPermFault Cnt M lgc	0	0 ± 1	
TrqOvISta_LKAPermFault_Cnt_M_u08	1	1±1	
	0	0	
TrqOvlSta_LKAState_State_M_enum TrqOvlSta PosSrvoHwAngle HwDeg M f32	0.109999999	0.109999999 ± 0.0009765625	
, = 0 = 0= =			
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			
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	•
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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 TrgOvlSta Per1 CP1 CheckpointReached	1	Rte Call TrgOvlSta Per1 CP1 CheckpointReached	1	_

34.3580017

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	

tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value

34.3580017 ± 0.0009765625





Input Value
593979
52749.0391
116760
1 35308
84570
-4.0999999
0.342000008
0
1
4
4
69.4000015 1
0
0.730000019
5.5999999
126
158.899994
0.419999987
1.04999995
34.8720016
1.12
122.5
0.5
7.30000019
0.280999988
2.79999995
0.280999988
2.5
c tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_Igc tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_Igc
tgt_TrqOvISta_Per1_APARequest_Cnt_lgc
tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_TrqOvISta_Per1_ESCState_enum
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_TrqOviSta_Per1_LKAState_State_enum
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_TrqOviSta_Per1_TrqOscEnable_Cnt_lgc
tgt_TrqOvISta_Per1_TrqOscFreq_Hz_f32
1
4
1
1
1 0
1 0 -544.210022
1 0

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



Name Input Value tgt_TrqOvlSta_Per1_ESClsLimited_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_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_HapticRequest_Cnt_lgc.value 0 tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value 6.69999981
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_HapticRequest_Cnt_lgc.value 0 tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value 6.69999981
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_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_HapticRequest_Cnt_lgc.value 0 tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value 6.69999981
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value 6.69999981
02 1 1 1 2 2 1 1 2 2 1 1 1 2
tot TroOvISta Per1 LKAFault Cnt loc.value
-0-1-1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value 0
tgt_TrqOvlSta_Per1_LKARequest_Cnt_Igc.value
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_ShiftLeverlsInReverse_Cnt_Igc.value 0
Name Actual Value Expected Value Res
TrqOvlSta_APAState_State_M_enum 4
TrqOvlSta_ESCState_State_M_enum 4
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 0 0 ± 1
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32 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
$\label{eq:transformed} {\sf TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32} \qquad -4.0999999 \qquad -4.0999999 \pm 0.000009$
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
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32 69.4000015 69.4000015 69.4000015 69.4000015
TrqOvlSta_ReadytoPulse_Cnt_M_lgc 1 1 ± 1
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value 0
tgt_TrqOvlSta_Per1_APAState_State_enum.value 4
tgt_TrqOvlSta_Per1_ESCState_enum.value 4
tgt_TrqOvlSta_Per1_GMOSHOscillateState_enum.value 1
tgt_TrqOvlSta_Per1_LKAState_state_enum.value 4
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value 0 0±1
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value 69.4000015 69.4000015 69.4000015 ± 0.0009765625
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value 0.419999987 ± 0.0009765625
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_Igc.value 1 1 1 1
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value 34.8720016 34.8720016 34.8720016

Test Step Call Trace				V
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		

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<u> </u>	
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 tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	0.284999996 2.6500001
tgt_Rte_Inst_Ap_TrqOvlSta_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 TrgOvlSta.TrgOvlSta Per1 APARequest Cnt Igc	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_Igc	tgt_TrqOvlSta_Per1_ESClsLimited_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_TrqOvISta.TrqOvISta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_Igc	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_Igc	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_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_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 TrgOvlSta.TrgOvlSta Per1 SWARTrgtAngRequest HwDeg f32	tgt TrqOvlSta Per1 SWARTrgtAngRequest HwDeg f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc	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_TrqOvISta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1 0
tgt_TrqOvISta_Per1_HapticRequest_Cnt_Igc.value	6.900001
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_frqOviSta_Peri_LKAFauit_Cnt_lgc.value tgt_frqOviSta_Peri_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvIsta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOviSta_Fer1_ENARequest_Crit_igc.value	334
tgt_TrqOvISta_Per1_MinSecureVehicleSpeed_Kph_f32.value	343.799988
tgt_TrqOvISta_Per1_PosTrajEnable_Cnt_Igc.value	1
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.129999995
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	10.1000004

TrqOvISta LKAState State M enum

TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32
TrqOvlSta_ReadytoPulse_Cnt_M_lgc

tgt_TrqOvlSta_Per1_APAState_State_enum.value

tgt_TrqOvlSta_Per1_ESCState_State_enum.value

tgt_TrqOvlSta_Per1_LKAState_State_enum.value

 $tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value$

 $tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value$

tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value

 $tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value$

tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value

 $tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value$

 $tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value$

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3

0 ± 1

0 ± 1

0

3

0

3

1 ± 1

0 ± 1

0.129999995 ± 0.0009765625

0.129999995 ± 0.0009765625

0.425999999 ± 0.0009765625

35.3860016 ± 0.0009765625

TrqOviSta_Per1		1	ad Citati
Name	Input Value		
tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_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	✓

0.129999995

0

0

3

0

3

0

Test Step Call Trace				V
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	✓

0.129999995

0.425999999

35.3860016

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
FrqOvlSta_LKAState_State_M_enum	2
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	74.9000015
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0
<_APAIncludeHaptic_Cnt_lgc	1
C_APAMaxHwTrqTime_Sec_f32	0.779999971
<_APAMaxHwTrq_HwNm_f32	6.07999992
C_APAMaxVehSpd_Kph_f32	136.800003
c_ESCMaxVehSpd_Kph_f32	170.899994
_HapticAmplitude_MtrNm_f32	0.456
C_HapticDuration_Sec_f32	1.13999999
_HapticFreq_Hz_f32	37.4420013
_HapticReacttime_Sec_f32	1.21599996
C_LKAMaxVehSpd_Kph_f32	144.399994
c_LKAMinVehSpd_Kph_f32	133
_MaxHapticReqTime_Sec_f32	0.5
_SWARLimiter_HwDeg_f32	8.80000019
<_ShiftLevRevTime_Sec_f32	0.305000007
k_StandstillThresh_Kph_f32	3.03999996
k_StandstillTime_Sec_f32	0.305000007

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TrqOvlSta_Per1



Name	Input Value		
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	3.4000001		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_Igo	tgt_TrqOvlSta_Per1_APADrvrInterventionDet	tected Cnt lac	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFa		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc	_0.11190	
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_Igc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc	200	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f	32	
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	2	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESClsLimited_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_Igc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnabl	e Cnt lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnabl		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt TrqOvlSta Per1 HapticRequest Cnt Igc		
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_MaxSecureVehicleSpee	d_Kph_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgd		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt TrqOvlSta Per1 PosSrvoHwAngle HwD		
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_HwDe		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_0	Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	2	
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_Igc.value	0		
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1		
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1		
	-524.01001		
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value			
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_TrqOviSta_Per1_HwTorque_HwNm_f32.value	7.9000001		
	1		
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value			
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_Igc.value	1		
Name	Actual Value	Expected Value	Resul
		·	Resul
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	•
TrqOvISta_Haptictime_Sec_M_f32	0	0 ± 1	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	2.03919983	2.03920007 ± 0.000009	
TrqOvISta_LKAFault_Cnt_M_lgc	1	1 ± 1	
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	2 ± 1	•
TrgOvlSta LKAState State M enum	2	2	•

 $TrqOvlSta_LKAState_State_M_enum$





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	~

lame	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvISta	tgt_Rte_Inst_Ap_TrqOvlSta
rqOvISta_APAState_State_M_enum	3
rqOvlSta_ESCState_State_M_enum	
rqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	831720
rqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	58346.8008
rqOvlSta_ElapsedStandstillTime_Sec_M_f32	162582
rqOvISta_HapticState_State_M_enum	0
rqOvlSta_Hapticdur_Cnt_M_u16	44450
rqOvlSta_Haptictime_Sec_M_f32	105605
rqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-1.64999998
rqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.419
rqOvlSta_LKAFault_Cnt_M_lgc	0
rqOvlSta_LKAPermFault_Cnt_M_lgc	0
rqOvlSta_LKAPermFault_Cnt_M_u08	2
rqOvlSta_LKAState_State_M_enum	3
rqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	76
rqOvlSta_ReadytoPulse_Cnt_M_lgc	1
_APAIncludeHaptic_Cnt_lgc	1
_APAMaxHwTrqTime_Sec_f32	0.790000021
_APAMaxHwTrq_HwNm_f32	6.15999985
_APAMaxVehSpd_Kph_f32	138.600006
_ESCMaxVehSpd_Kph_f32	173.300003
_HapticAmplitude_MtrNm_f32	0.462000012
_HapticDuration_Sec_f32	1.15499997
_HapticFreq_Hz_f32	37.9560013
_HapticReacttime_Sec_f32	1.23199999
_LKAMaxVehSpd_Kph_f32	146.300003
_LKAMinVehSpd_Kph_f32	134.75
MaxHapticReqTime_Sec_f32	0.600000024
SWARLimiter_HwDeg_f32	9.10000038
ShiftLevRevTime_Sec_f32	0.308999985
StandstillThresh_Kph_f32	3.07999992
StandstillTime Sec f32	0.308999985
pt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	3.54999995
at Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 APADrvrInterventionDetected Cnt Ic	
pt_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Per1_APANonRecoverableFaults_Cnt_lgc	
t Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 APARecoverableFaults Cnt Igc	tgt TrqOvlSta Per1 APARecoverableFaults Cnt Igc
gt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_APARequest_Cnt_Igc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
t_Rte_Inst_Ap_TrqOvIsta.TrqOvIsta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
t_Rte_Inst_Ap_TrqOvIsta.TrqOvIsta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
t_Rte_Inst_Ap_TrqOvIsta.TrqOvIsta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
t_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
pt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
pt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_PerT_ESCFatilt_Crit_igc gt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_PerT_ESCIsLimited_Crit_igc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_Igc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
pt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_ESCState_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_APAMfgEna	ble_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEna	ble_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnal	ple_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lg		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32	2	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_Igc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_Igc	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_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_LKAState_State_enum tgt_TrqOvlSta_Per1_MaxSecureVehicleSpe		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt TrqOvlSta Per1 MinSecureVehicleSpe		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_I		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_Hw		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lg	ic	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_Hw[Deg_f32	
$tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32$	tgt_TrqOvlSta_Per1_SWARTrgtAngReques	st_HwDeg_f32	
$tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc$	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse	_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f	32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lg	С	
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 tgt TrqOvlSta Per1 CCWPosition HwDeg f32.value	-513.909973		
tgt_TrqOvISta_Per1_CWFound_Cnt_Igc.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_TrqOvISta_Per1_LKARequest_Cnt_Igc.value	1		
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value tgt TrqOvlSta Per1 MinSecureVehicleSpeed Kph f32.value	358.5 368.299988		
tgt TrqOvISta Per1 PosTrajEnable Cnt Igc.value	0		
tgt TrqOvlSta Per1 PosTrajHwAngle HwDeg f32.value	0.180000007		
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	18.1000004		
tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc.value	0		
Name	Actual Value	Expected Value	Result
TrgOvISta 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	
TrqOvISta_LKAPermFault_Cnt_M_u08 TrqOvISta_LKAStata_Stata_M_onum	2	2 ± 1	
TrqOvlSta_LKAState_State_M_enum TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	76	76 ± 0.0009765625	
TrqOvISta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	
tgt TrqOvlSta Per1 APADrvrInterventionDetected Cnt Igc.value	0	0 ± 1	
tgt_TrqOvISta_Per1_APAState_State_enum.value	4	4	
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	✓
tgt_TrqOvlSta_Per1_GMOSHOscillateState_enum.value	0	0	-
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	•
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	-
	76	76 ± 0.0009765625	•
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	70		
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.462000012	0.462000012 ± 0.0009765625	~
		0.462000012 ± 0.0009765625 0 ± 1	•



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)	
lame	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvISta	tgt_Rte_Inst_Ap_TrqOvlSta
rqOvISta_APAState_State_M_enum	1
rqOvISta_ESCState_State_M_enum	4
rqOvISta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	865683 59146.4805
rqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32 rqOvlSta_ElapsedStandstillTime_Sec_M_f32	169128
rqOvISta HapticState State M enum	1
rqOvISta_Hapticdur_Cnt_M_u16	0
rqOvISta Haptictime Sec M f32	108610.617
rqOviSta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32	-2
rqOviSta_HwTorqueSV_HwNm_M_Str.K_UIs_f32	0.407999992
rqOvlSta_LKAFault_Cnt_M_lgc	0
rqOvISta_LKAPermFault_Cnt_M_lgc	0
rqOvlSta_LKAPermFault_Cnt_M_u08	1
rqOvlSta_LKAState_State_M_enum	2
rqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	77.099985
rqOvlSta_ReadytoPulse_Cnt_M_lgc	1
_APAIncludeHaptic_Cnt_lgc	1
_APAMaxHwTrqTime_Sec_f32	0.800000012
_APAMaxHwTrq_HwNm_f32	6.07999992
_APAMaxVehSpd_Kph_f32	136.800003
_ESCMaxVehSpd_Kph_f32	175.699997
_HapticAmplitude_MtrNm_f32	0.456
_HapticDuration_Sec_f32	1.13999999
_HapticFreq_Hz_f32	38.4700012
_HapticReacttime_Sec_f32	1.21599996
_LKAMaxVehSpd_Kph_f32	144.399994
_LKAMinVehSpd_Kph_f32	133
_MaxHapticReqTime_Sec_f32	0.5
_SWARLimiter_HwDeg_f32	9.39999962
_ShiftLevRevTime_Sec_f32	0.305000007
_StandstillThresh_Kph_f32	3.0399996 0.305000007
_StandstillTime_Sec_f32	3.4000001
pt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lg	
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_Igc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_Igc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
gt_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt TrgOvlSta Per1 CCWPosition HwDeg f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
at Rte Inst Ap TrqOvISta.TrqOvISta Per1 CWPosition HwDeg f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
pt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESClsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESClsLimited_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_Igc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc

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TrqOvlSta_Per1

Name	Input Value		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_l	gc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_Hw		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngReque		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse	e_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lg		
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_ESClsLimited_Cnt_lgc.value	1		
tgt_TrqOvISta_Per1_ESCRequest_Cnt_Igc.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_ShiftLeverlsInReverse_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_UIs_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	✓

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 TrgOvlSta Per1 CP1 CheckpointReached	1	Rte Call TrgOvlSta Per1 CP1 CheckpointReached	1	_

38.4700012

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

 $tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value$

38.4700012 ± 0.0009765625

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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
TrqOvISta_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
$tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgcolor=0.00000000000000000000000000000000000$	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_ESClsLimited_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_Igc	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_ShiftLeverlsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_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
	-493.709991
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	400.700001
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	0

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Name	Input Value		
tgt_TrqOvlSta_Per1_ESClsLimited_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_ShiftLeverlsInReverse_Cnt_Igc.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	~
TrqOvISta_LKAPermFault_Cnt_M_u08	2	2 ± 1	~
TrqOvISta_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				V
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)	✓
	Innut Value
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
TrqOvISta_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
	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 0.308999985
	3.07999992
	0.308999985
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	3.54999995
	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_Igc	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_TrqOviSta.TrqOviSta_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_Igc	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_Igc	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_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOviSta.TrqOviSta_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 TrgOvlSta Per1 MinSecureVehicleSpeed Kph f32
tgt Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 PosServEnable Cnt Igc	tgt TrgOvlSta 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_ShiftLeverlsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_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
	0
0_ 1	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 4
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	681.099976
tgt_TrqOvISta_Per1_ESCFault_Cnt_lgc.value	1
	1
	1
	1
tgt_TrqOvISta_Per1_GMOSH_LKAMfgEnable_Cnt_Igc.value	1
	0
	8.10000038
	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0 1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	1 373.200012
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	1 373.200012 383

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Name	Input Value		
tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_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				V
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
FrqOvlSta_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
FrqOvlSta_LKAPermFault_Cnt_M_lgc	0
FrqOvlSta_LKAPermFault_Cnt_M_u08	1
FrqOvISta_LKAState_State_M_enum	2
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	80.4000015
FrqOvlSta_ReadytoPulse_Cnt_M_lgc	0
_APAIncludeHaptic_Cnt_lgc	1
<_APAMaxHwTrqTime_Sec_f32	0.829999983
C_APAMaxHwTrq_HwNm_f32	6.48000002
_APAMaxVehSpd_Kph_f32	145.800003
c_ESCMaxVehSpd_Kph_f32	16.3999996
_HapticAmplitude_MtrNm_f32	0.486000001
C_HapticDuration_Sec_f32	1.21500003
_HapticFreq_Hz_f32	40.012001
_HapticReacttime_Sec_f32	1.296
_LKAMaxVehSpd_Kph_f32	153.899994
_LKAMinVehSpd_Kph_f32	141.75
_MaxHapticReqTime_Sec_f32	0
_SWARLimiter_HwDeg_f32	10.3000002
_ShiftLevRevTime_Sec_f32	0.324999988
k_StandstillThresh_Kph_f32	3.24000001
k_StandstillTime_Sec_f32	0.324999988

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TrqOvlSta_Per1



Name	Input Value		
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	4.1500001		
$tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_Igrams and the property of the prop$	tgt_TrqOvlSta_Per1_APADrvrInterventionDe	etected_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableF	aults_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults	s_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_Igc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc	to 2	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_	132	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f3	32	
tgt Rte Inst Ap TrqOvISta.TrqOvISta Per1 ESCFault Cnt Igc	tgt TrqOvlSta Per1 ESCFault Cnt Igc	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_Igc	tgt TrgOvlSta Per1 ESCIsLimited Cnt Igc		
tgt Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 ESCRequest Cnt Igc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum	1	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnab	ole_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnat	ole_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnab	le_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lg	c	
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_MaxSecureVehicleSpe		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpee		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lg		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwI		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lg		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32 tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwD tgt_TrqOvlSta_Per1_SWARTrgtAngReques		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc	tgt_TrqOvISta_Per1_ShiftLeverIsInReverse_		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f3		
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 tgt TrqOvlSta Per1 LKAFault Cnt lgc.value	-8.60000038 1		
tgt_TrqOvISta_Per1_LKAInhibit_Cnt_lgc.value	0		
tgt_TrqOvISta_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_ShiftLeverlsInReverse_Cnt_lgc.value	0		
Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	•
TrqOvISta_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	•
TrqOvISta_LKAFault_Cnt_M_lgc	1	1 ± 1	•
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	•
TrqOvISta_LKAStata_Stata_M_cnum	2	2±1	*
TrqOvlSta_LKAState_State_M_enum	4	4	· · · · · · · · · · · · · · · · · · ·

 $TrqOvlSta_LKAState_State_M_enum$

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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	~

Fest Step 2.68 (Repeat Count = 1)	In and Malian
lame	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
rqOvlSta_APAState_State_M_enum	2
rqOvlSta_ESCState_State_M_enum	3
rqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	1001535
rqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	62345.1992
rqOvlSta_ElapsedStandstillTime_Sec_M_f32	195312
rqOvlSta_HapticState_State_M_enum	1
rqOvlSta_Hapticdur_Cnt_M_u16	50980
rqOvlSta_Haptictime_Sec_M_f32	120630
rqOvlSta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32	0.100000001
rqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.474000007
rqOvlSta_LKAFault_Cnt_M_lgc	0
rqOvlSta_LKAPermFault_Cnt_M_lgc	0
rqOvlSta_LKAPermFault_Cnt_M_u08	0
rqOvlSta_LKAState_State_M_enum	1
rgOvISta PosSrvoHwAngle HwDeg M f32	81.5
rqOvISta_ReadytoPulse_Cnt_M_lgc	0
APAIncludeHaptic Cnt Igc	0
APAMaxHwTrqTime Sec f32	0.839999974
_APAMaxHwTrq_HwNm_f32	6.55999994
APAMaxVehSpd Kph f32	147.600006
ESCMaxVehSpd Kph f32	21.5
_HapticAmplitude_MtrNm_f32	0.492000014
HapticDuration Sec f32	1.23000002
_HapticFreq_Hz_f32	40.526001
_HapticReacttime_Sec_f32	1.31200004
LKAMaxVehSpd Kph f32	155.800003
_	143.5
_LKAMinVehSpd_Kph_f32	
_MaxHapticReqTime_Sec_f32	1
_SWARLimiter_HwDeg_f32	10.6000004
_ShiftLevRevTime_Sec_f32	0.328999996
_StandstillThresh_Kph_f32	3.27999997
_StandstillTime_Sec_f32	0.328999996
t_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	4.30000019
at Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 APADrvrInterventionDetected Cnt Ic	
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_Igc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
t_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESClsLimited_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_enum

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Name	Input Value		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnal	ble_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEna	ble_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnat		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_Igc	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	١	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpe		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpe		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_l	gc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_Hwl	Deg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lg	С	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwD		
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_Igc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f	32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lg	С	
tgt Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 TrgOscFreg Hz f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32		
tgt TrgOvlSta Per1 APANonRecoverableFaults Cnt Igc.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_ESClsLimited_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		
	1		
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value			
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_ShiftLeverlsInReverse_Cnt_Igc.value	1		
		1=	1
Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	0	0	✓
TrgOvlSta ESCState State M enum	3	3	•
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	
TrgOvlSta ElapsedShiftLevRevTime Sec M f32	62345.1992	62345.1992 ± 1	·
	1 1 1 1		
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	~
TrqOvlSta_HapticState_State_M_enum	1	1	~
TrqOvlSta_Hapticdur_Cnt_M_u16	50980	50980 ± 1	✓
TrgOvlSta Haptictime Sec M f32	120630	120630 ± 1	✓
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32	0.100000001	0.100000001 ± 0.0000009	
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1±1	V
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	✓
	0.12999999		
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	•	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	✓
		1	
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	~
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.129999995	0.129999995 ± 0.0009765625	✓
tot TraQuiSta Bort TraQuaAma MtrNm f22 valua	0.12000000		
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.492000014	0.492000014 ± 0.0009765625	~
tgt_TrqOviSta_Per1_TrqOscEnable_Cnt_lgc.value			~
	0.492000014	0.492000014 ± 0.0009765625	



est 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	~	

est Step 2.69 (Repeat Count = 1)	1 CV 1
ame	Input Value
te_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
te_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
rqOvISta_APAState_State_M_enum	3
rqOvlSta_ESCState_State_M_enum	4
rqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	1035498 63144.8789
rqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32 rqOvlSta_ElapsedStandstillTime_Sec_M_f32	201858
rgOvISta HapticState State M enum	2
rqOvISta_Hapticdur_Cnt_M_u16	52286
rgOvISta Haptictime Sec M f32	123635
rqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0.44999988
rqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.485000014
rqOvISta_LKAFault_Cnt_M_lgc	1
rqOvlSta_LKAPermFault_Cnt_M_lgc	1
rqOvISta_LKAPermFault_Cnt_M_u08	2
rqOvlSta_LKAState_State_M_enum	0
rqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	82.5999985
rqOvlSta_ReadytoPulse_Cnt_M_lgc	1
_APAIncludeHaptic_Cnt_lgc	1
_APAMaxHwTrqTime_Sec_f32	0.850000024
_APAMaxHwTrq_HwNm_f32	6.63999987
_APAMaxVehSpd_Kph_f32	149.399994
_ESCMaxVehSpd_Kph_f32	26.6000004
_HapticAmplitude_MtrNm_f32	0.497999996
_HapticDuration_Sec_f32	1.245
_HapticFreq_Hz_f32	41.0400009
_HapticReacttime_Sec_f32	1.32799995
_LKAMaxVehSpd_Kph_f32	157.699997
_LKAMinVehSpd_Kph_f32	145.25
_MaxHapticReqTime_Sec_f32	0.5
SWARLimiter_HwDeg_f32	10.8999996
ShiftLevRevTime_Sec_f32	0.333000004
_StandstillThresh_Kph_f32	3.31999993
_StandstillTime_Sec_f32	0.333000004
t_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FitInjection_Sign	4.4499981
t_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_APADrvrInterventionDetected_Cnt_Igo	
t_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_Igc t_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_Igc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
t_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvISta_Per1_APARequest_Cnt_lgc
t_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvIsta_Per1_APAState_State_enum
t_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOviSta_Per1_CCWFound_Cnt_lgc
t_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
t_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_Igc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
t Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 CWPosition HwDeg f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
t Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 ESCFault Cnt Igc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
t_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESClsLimited_Cnt_lgc
t_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
t_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
t_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
t_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
t_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
t_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
t_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
t_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
t_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
t_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_Igc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
t_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
t_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
t_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
t_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32 t_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc





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_H	wDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f3	2 tgt_TrqOvlSta_Per1_SWARTrgtAngRequ	est_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInRevers	se_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 Igc	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 Igc.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_TrqOvISta_Per1_ESCFault_Cnt_lgc.value	0		
tgt TrqOvISta Per1 ESCIsLimited Cnt Igc.value	0		
tgt_TrqOvISta_Per1_ESCRequest_Cnt_lgc.value	0		
	0		
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value tgt TrqOvlSta Per1 GMOSH ESCMfgEnable Cnt lgc.value	0		
	0		
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value			
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_ShiftLeverlsInReverse_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	•
TrgOvlSta 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	
TrgOvlSta LKAFault Cnt M lgc	0	0 ± 1	•
TrgOvlSta LKAPermFault Cnt M lgc	1	1±1	
TrqOvISta_LKAPermFault_Cnt_M_u08	2	2 ± 1	
	4	4	
TrqOvlSta_LKAState_State_M_enum TrqOvlSta PosSrvoHwAngle HwDeg M f32	82.5999985	82.5999985 ± 0.0009765625	
,			
TrqOvISta_ReadytoPulse_Cnt_M_lgc	0	1 ± 1	
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_Igc.value		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	•
	1	1	

Test Step Call Trace				V
Actual Function Co		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 TroOvISta Per1 CP1 CheckpointReached	1	Rte Call TrgOvISta Per1 CP1 ChecknointReached	1	-

41.0400009

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

tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value

41.0400009 ± 0.0009765625

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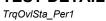


Name	Input Value
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	1069461
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	63944.5586
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	208404
TrqOvlSta_HapticState_State_M_enum	1
TrqOvlSta_Hapticdur_Cnt_M_u16	53592
TrqOvlSta_Haptictime_Sec_M_f32	126640.641
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0.800000012
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.495999992
TrqOvlSta_LKAFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvISta_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
$tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lganglering and the property of the$	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_TrqOviSta_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_ESClsLimited_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_Igc	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_Igc	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_ShiftLeverlsInReverse_Cnt_Igc	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_Igc.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
	700 050005
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	700.859985

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Name	Input Value		
tgt_TrqOvlSta_Per1_ESClsLimited_Cnt_lgc.value	1		
tgt TrqOvlSta Per1 ESCRequest Cnt Igc.value	1		
tgt TrgOvlSta Per1 GMOSH APAMfgEnable Cnt Igc.value	1		
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1		
tgt TrgOvlSta Per1 GMOSH LKAMfgEnable Cnt Igc.value	1		
tgt TrgOvlSta Per1 HapticRequest Cnt Igc.value	1		
tgt TrgOvlSta 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 Igc.value	1		
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.150000006		
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	29.2999992		
tgt TrqOvlSta Per1 ShiftLeverlsInReverse Cnt Igc.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	✓

est 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

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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 0.69999988
k_MaxHapticReqTime_Sec_f32	11.5
k_SWARLimiter_HwDeg_f32 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_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_Igc	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_ESClsLimited_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_Igc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_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_ShiftLeverlsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_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_TrqOvISta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvISta_Per1_HwTorque_HwNm_f32.value	-6.5999999
tgt_TrqOvIsta_Per1_LKAFault_Cnt_lgc.value	-0.5999999 1
tgt_TrqOvISta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvISta_Per1_LKARequest_Cnt_lgc.value	1
	397.700012
	397.700012
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	407.5
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	407.5

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Name	Input Value		
tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_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	0.87999995
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

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TrqOvlSta_Per1



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_APADrvrInterventionDe	tected_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFa	aults Cnt Igc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc	0	
tgt Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 APAState State enum	tgt_TrqOvlSta_Per1_APAState_State_enum		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvISta_Per1_CCWFound_Cnt_lgc		
		F2.2	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_	132	
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_f3	2	
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_APAMfgEnab	le_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnab	le_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnabl	e 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_TrqOvISta.TrqOvISta_Per1_LKAInhibit_Cnt_Igc	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_MaxSecureVehicleSpee		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpee		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lg	С	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwD	eg_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_HwDe	eg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest	HwDeg f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f3:		
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_ESClsLimited_Cnt_lgc.value	1		
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1		
tgt TrqOvlSta Per1 GMOSH APAMfgEnable Cnt Igc.value	1		
tgt TrqOvlSta Per1 GMOSH ESCMfgEnable Cnt Igc.value	1		
tgt TrqOviSta Per1 GMOSH LKAMfgEnable Cnt Igc.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_ShiftLeverlsInReverse_Cnt_lgc.value	1		
Name	Actual Value	Expected Value	Result
	0	0	. count
TrqOvISta_APAState_State_M_enum			
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	~
TrqOvISta_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	-
TrqOvISta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	-
qoo.a_e.vii omii ddic_onc_iv_igo	-	V	

TrqOvlSta_LKAPermFault_Cnt_M_u08

TrqOvlSta_LKAState_State_M_enum

2 ± 1

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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	~

Name	Input Value
	•
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_UIs_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvISta	tgt_Rte_Inst_Ap_TrqOvlSta
FrqOvlSta_APAState_State_M_enum	2
FrqOvlSta_ESCState_State_M_enum	3
FrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	1171350
FrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	66343.6016
FrqOvlSta_ElapsedStandstillTime_Sec_M_f32	228042
FrqOvlSta_HapticState_State_M_enum	0
FrqOvlSta_Hapticdur_Cnt_M_u16	57510
FrqOvISta_Haptictime_Sec_M_f32	135655.938
FrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32	1.85000002
rqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.528999984
FrqOvlSta_LKAFault_Cnt_M_lgc	1
FrqOvISta_LKAPermFault_Cnt_M_lgc	1
FrqOvISta_LKAPermFault_Cnt_M_u08	3
FrqOvlSta_LKAState_State_M_enum	4
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	87
FrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
C_APAIncludeHaptic_Cnt_lgc	0
x_APAMaxHwTrqTime_Sec_f32	0.889999986
_APAMaxHwTrq_HwNm_f32	6.96000004
x_APAMaxVehSpd_Kph_f32	156.600006
c_ESCMaxVehSpd_Kph_f32	47
_HapticAmplitude_MtrNm_f32	0.522000015
_HapticDuration_Sec_f32	1.30499995
_HapticFreq_Hz_f32	98.5240021
_HapticReacttime_Sec_f32	1.39199996
c_LKAMaxVehSpd_Kph_f32	165.300003
_LKAMinVehSpd_Kph_f32	152.25
_MaxHapticReqTime_Sec_f32	0.89999976
C_SWARLimiter_HwDeg_f32	12.1000004
_ShiftLevRevTime_Sec_f32	0.360000014
_StandstillThresh_Kph_f32	0
_StandstillTime_Sec_f32	0.360000014
gt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	5.05000019
gt Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 APADrvrInterventionDetected Cnt Ic	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
pt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
pt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESClsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESClsLimited_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum

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Nama	Input Value		
Name tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	Input Value tgt_TrqOvlSta_Per1_GMOSH_APAMfgEna	ble Cat lac	
tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEna		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnal		
tgt Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 HapticRequest Cnt Igc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lg		
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_enun	1	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpe	eed_Kph_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpe	- · -	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_l		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_Hw		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lg		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwE		
tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngReques		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32 tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvista_Per1_TrqOscEnable_Cnt_lg		
tgt Rte Inst Ap TrqOvISta.TrqOvISta Per1 TrqOscFreq Hz f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32	•	
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0		
tgt TrgOvlSta Per1 APARecoverableFaults Cnt Igc.value	0		
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1		
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0		
tgt TrgOvlSta 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_ESClsLimited_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 tgt TrqOvlSta Per1 PosTrajHwAngle HwDeg f32.value	0.180000007		
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-33.099985		
tgt TrqOvlSta Per1 ShiftLeverlsInReverse Cnt Igc.value	0		
Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	
TrqOvISta 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	~
TrqOvISta_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	Y
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 87	0 ± 1	*
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.522000015	87 ± 0.0009765625 0.522000015 ± 0.0009765625	Ž
tgt_TrqOviSta_Per1_TrqOscEnable_Cnt_lgc.value	0.522000015	0.522000015 ± 0.0009765625 0 ± 1	
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	98.5240021	98.5240021 ± 0.0009765625	
IGE TIGOTION TOTAL TIQUOUTING THE TOE.VAINE	00.0270021	00.02T0021 ± 0.0003703023	*



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
FrqOvISta_APAState_State_M_enum	1
FrqOvlSta_ESCState_State_M_enum	4
FrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	1205313
rqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	67143.2813
rqOvlSta_ElapsedStandstillTime_Sec_M_f32	234588
rqOvlSta_HapticState_State_M_enum	1
rqOvlSta_Hapticdur_Cnt_M_u16	58816
rqOvlSta_Haptictime_Sec_M_f32	138660
rqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-6.9000001
rqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.540000021
rqOvlSta_LKAFault_Cnt_M_lgc	0
FrqOvISta_LKAPermFault_Cnt_M_lgc	0
rqOvlSta_LKAPermFault_Cnt_M_u08	3
rqOvlSta_LKAState_State_M_enum	1
rqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	88.0999985
rqOvlSta_ReadytoPulse_Cnt_M_lgc	0
_APAIncludeHaptic_Cnt_lgc	1
_APAMaxHwTrqTime_Sec_f32	0.89999976
APAMaxHwTrg HwNm f32	7.03999996
APAMaxVehSpd_Kph_f32	158.399994
ESCMaxVehSpd Kph f32	52.099985
tf32	0.527999997
	1.32000005
_HapticFreq_Hz_f32	85
_HapticReacttime_Sec_f32	1.40799999
_LKAMaxVehSpd_Kph_f32	167.199997
LKAMinVehSpd Kph f32	154
:_Etvammve.nopu_rpn_isz :_MaxHapticReqTime_Sec_f32	0.0149999997
_SWARLimiter_HwDeg_f32	12.3999996
	0.0010000005
StandatilThroad, Kab 523	5
StandstillThresh_Kph_f32 StandstillTime_See_f32	
StandstillTime_Sec_f32	0.00100000005
gt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	5.19999981
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_Ig	
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESClsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESClsLimited_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_state_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
	1.0.7 4





Name	Input Value		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lc	gc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwI	Deg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngReques	st_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse	Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f	32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lg	IC .	
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 Igc.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 TrgOvlSta Per1 ESCIsLimited Cnt Igc.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_TrqOvISta_Per1_HapticRequest_Cnt_lgc.value	0		
tgt_TrqOvISta_Per1_HwTorque_HwNm_f32.value	4.69999981		
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0		
tgt TrqOvlSta Per1 LKAInhibit Cnt Igc.value	1		
	0		
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	412.399994		
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	422.200012		
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	1		
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value			
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.189999998		
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-31.5		
tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc.value	0	1	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	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	•

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 TrgOvlSta Per1 CP1 CheckpointReached	1	Rte Call TrgOvlSta Per1 CP1 CheckpointReached	1	_

85 ± 0.0009765625

85

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

tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value

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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	0.029999993
k_SWARLimiter_HwDeg_f32	12.6999998
k_ShiftLevRevTime_Sec_f32	0.00499999989
k_StandstillThresh_Kph_f32	3.5
k_StandstillTime_Sec_f32	0.0049999989
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	5.3499999
$tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgcolor=0.00000000000000000000000000000000000$	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_ESClsLimited_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_ShiftLeverlsInReverse_Cnt_Igc	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
ig_nidovicta_i ci i_ni niteducst_ont_igo.valac	
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0
	0 -392.709991
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-392.709991

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	1		
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_UIs_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				V
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

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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_Igc	tgt TrqOvlSta Per1 APARecoverableFaults Cnt lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvISta_Per1_APARequest_Cnt_Igc
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_ESClsLimited_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_Igc
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_Igc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_Igc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
	tgt_TrqOviSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.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_ShiftLeverlsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvISta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt TrqOvlSta_Feri_InqOscAnip_minnin_32
	· - · · ·
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	
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_ESClsLimited_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	
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

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Name	Input Value		
tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_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				V
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	0.059999987
k_SWARLimiter_HwDeg_f32	13.3000002
k_ShiftLevRevTime_Sec_f32	0.0130000003
k_StandstillThresh_Kph_f32	3.6400001
k_StandstillTime_Sec_f32	0.5

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TrqOvlSta_Per1



Name	Input Value		
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	5.6500001		
		stoated Cat Igo	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_Igr			
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableF		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults	s_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	1	
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	
		_102	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_Igc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc	_	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f	32	
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_ESClsLimited_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	1	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnat		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnal		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnab	ole_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lg	С	
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 TrqOvISta.TrqOvISta Per1 LKARequest Cnt Igc	tgt TrqOvISta Per1 LKARequest Cnt Igc		
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_MaxSecureVehicleSpe	ed_Kph_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpee	ed_Kph_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lo	gc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwI	Deg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lg		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwD		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngReques		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse	_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f3	32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgd		
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		
	0		
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value			
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_TrqOvISta_Per1_LKAFault_Cnt_lgc.value	1		
tgt TrqOvISta_Fer1_LKAInhibit Cnt Igc.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 TrgOvlSta Per1 PosTrajHwAngle HwDeg f32.value	0.119999997		
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-26.7000008		
	0		
tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc.value		1	
Name	Actual Value	Expected Value	Resul
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	•
TrqOvISta_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	
	3		
TrqOvlSta_LKAPermFault_Cnt_M_u08		3 ± 1	
TrqOvlSta LKAState State M enum	4	4	

 $TrqOvlSta_LKAState_State_M_enum$

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TrqOvlSta_Per1

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	~

Fest Step 2.78 (Repeat Count = 1)	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvISta	tgt_Rte_Inst_Ap_TrqOvlSta
FrqOvlSta_APAState_State_M_enum	·
FrqOvISta_ESCState_State_M_enum	3
FrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	1341165
FrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	70342
FrqOvlSta_ElapsedStandstillTime_Sec_M_f32	260772
FrqOvlSta_HapticState_State_M_enum	1
FrqOvlSta_Hapticdur_Cnt_M_u16	64040
FrqOvlSta_Haptictime_Sec_M_f32	150680
FrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32	-5.5
FrqOvlSta_HwTorqueSV_HwNm_M_Str.K_UIs_f32	0.583999991
FrqOvlSta_LKAFault_Cnt_M_lgc	1
FrqOvISta_LKAPermFault_Cnt_M_lgc	1
FrqOvlSta_LKAPermFault_Cnt_M_u08	4
FrqOvlSta_LKAState_State_M_enum	1
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	13
FrqOvlSta_ReadytoPulse_Cnt_M_lgc	0
C_APAIncludeHaptic_Cnt_lgc	1
C_APAMaxHwTrqTime_Sec_f32	0.93999998
c_APAMaxHwTrq_HwNm_f32	7.36000013
C_APAMaxVehSpd_Kph_f32	165.600006
c_ESCMaxVehSpd_Kph_f32	72.5
C_HapticAmplitude_MtrNm_f32	0.551999986
C_HapticDuration_Sec_f32	1.38
_HapticFreq_Hz_f32	45.6660004
_HapticReacttime_Sec_f32	1.472
_LKAMaxVehSpd_Kph_f32	174.800003
C_LKAMinVehSpd_Kph_f32	161
_MaxHapticReqTime_Sec_f32	0.075000003
_SWARLimiter_HwDeg_f32	13.6000004
ShiftLevRevTime_Sec_f32	0.0170000009
<pre></pre> <pre>C_StandstillThresh_Kph_f32</pre>	3.68000007
c_StandstillTime_Sec_f32	0.300000012
gt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	5.80000019
gt Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 APADrvrInterventionDetected Cnt Ig	cc_tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt TrqOvlSta Per1 APARequest Cnt Igc
gt Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 APAState State enum	tgt TrqOvlSta Per1 APAState State enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
gt Rte Inst Ap TrqOvISta.TrqOvISta Per1 CWFound Cnt Igc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
gt Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 ESCFault Cnt Igc	tgt TrqOvlSta Per1 ESCFault Cnt Igc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
gt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_enum

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Name	Input Value			
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEr	able_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEr	nable_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEn	able_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_Igc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_	lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f	32		
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_lg			
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enu			
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleS			
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSp	· -		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt			
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32 tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_H tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_			
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvISta_Per1_PosTrajEnable_Ont_			
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvISta_Per1_SWARTrgtAngReque			
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverIsInRevers			
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			
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32			
tgt_TrqOviSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0			
tgt_TrqOviSta_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_ESClsLimited_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 1			
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_Igc.value		Function Value	Danu	
Name Trackylsta ADAStata Stata M. cours	Actual Value	Expected Value	Resu	
TrqOvlSta_APAState_State_M_enum TrqOvlSta ESCState State M enum	3	3		
TrqOvISta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1		
TrqOvISta_ElapsedShiftLevRevTime_Sec_M_f32	70342	70342 ± 1		
TrqOvISta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1		
TrqOvISta_HapticState_State_M_enum	1	1		
TrgOvlSta Hapticdur Cnt M u16	64040	64040 ± 1		
TrgOvlSta Haptictime Sec M f32	0	0 ± 1		
TrqOvlSta HwTorqueSV HwNm M Str.SV Uls f32	-5.5	-5.5 ± 0.000009		
TrgOvlSta LKAFault Cnt M lgc	0	0 ± 1		
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1		
		4 ± 1		
TIYOVIOLA ENAPERITIFAULI CITE MI UUB	4			
TrqOvlSta_LKAPermFault_Cnt_M_u08 TrqOvlSta_LKAState_State_M_enum	3	3	'	
		3 0.129999995 ± 0.0009765625		
TrqOvlSta_LKAState_State_M_enum	3			
TrqOvlSta_LKAState_State_M_enum TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	3 0.129999995	0.129999995 ± 0.0009765625		
TrqOvlSta_LKAState_State_M_enum TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvlSta_ReadytoPulse_Cnt_M_lgc	3 0.129999995 0	0.129999995 ± 0.0009765625 0 ± 1		
TrqOvlSta_LKAState_State_M_enum TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvlSta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	3 0.129999995 0	0.129999995 ± 0.0009765625 0 ± 1 0 ± 1		
TrqOvlSta_LKAState_State_M_enum TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvlSta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value tgt_TrqOvlSta_Per1_APAState_State_enum.value	3 0.129999995 0 0 3	0.129999995 ± 0.0009765625 0 ± 1 0 ± 1 3 3		
TrqOvlSta_LKAState_State_M_enum TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvlSta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value tgt_TrqOvlSta_Per1_APAState_State_enum.value tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3 0.129999995 0 0 3 3	0.129999995 ± 0.0009765625 0 ± 1 0 ± 1 3		
TrqOvlSta_LKAState_State_M_enum TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvlSta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value tgt_TrqOvlSta_Per1_APAState_State_enum.value tgt_TrqOvlSta_Per1_ESCState_State_enum.value tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	3 0.129999995 0 0 3 3	0.129999995 ± 0.0009765625 0 ± 1 0 ± 1 3 3		
TrqOvlSta_LKAState_State_M_enum TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvlSta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value tgt_TrqOvlSta_Per1_APAState_State_enum.value tgt_TrqOvlSta_Per1_ESCState_State_enum.value tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value tgt_TrqOvlSta_Per1_LKAState_State_enum.value	3 0.129999995 0 0 3 3 1	0.12999995 ± 0.0009765625 0 ± 1 0 ± 1 3 3 1		
TrqOvISta_LKAState_State_M_enum TrqOvISta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvISta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvISta_Per1_APADrvrInterventionDetected_Cnt_lgc.value tgt_TrqOvISta_Per1_APAState_State_enum.value tgt_TrqOvISta_Per1_ESCState_State_enum.value tgt_TrqOvISta_Per1_GMOSHOscillateState_State_enum.value tgt_TrqOvISta_Per1_LKAState_State_enum.value tgt_TrqOvISta_Per1_PosServEnable_Cnt_lgc.value tgt_TrqOvISta_Per1_PosSrvoHwAngle_HwDeg_f32.value tgt_TrqOvISta_Per1_TrqOscAmp_MtrNm_f32.value	3 0.129999995 0 0 3 3 1 1 3 1 0.129999995 0.551999986	$0.129999995 \pm 0.0009765625$ 0 ± 1 0 ± 1 3 3 1 ± 1 $0.1299999995 \pm 0.0009765625$ $0.551999986 \pm 0.0009765625$		
TrqOvISta_LKAState_State_M_enum TrqOvISta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvISta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvISta_Per1_APADrvrInterventionDetected_Cnt_lgc.value tgt_TrqOvISta_Per1_APAState_State_enum.value tgt_TrqOvISta_Per1_ESCState_State_enum.value tgt_TrqOvISta_Per1_GMOSHOscillateState_State_enum.value tgt_TrqOvISta_Per1_LKAState_State_enum.value tgt_TrqOvISta_Per1_LKAState_State_enum.value tgt_TrqOvISta_Per1_PosServEnable_Cnt_lgc.value tgt_TrqOvISta_Per1_PosSrvoHwAngle_HwDeg_f32.value	3 0.129999995 0 0 3 3 1 1 3 1 0.129999995	0.129999995 ± 0.0009765625 0 ± 1 0 ± 1 3 3 1 3 1 ± 1 0.1299999995 ± 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)	
lame	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
rqOvlSta_APAState_State_M_enum	4
rqOvlSta_ESCState_State_M_enum	4
rqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	1375128
rqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	71141.6797
rqOvlSta_ElapsedStandstillTime_Sec_M_f32	267318
rqOvlSta_HapticState_State_M_enum	0
rqOvlSta_Hapticdur_Cnt_M_u16	65346
rqOvlSta_Haptictime_Sec_M_f32	153685.688
rqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-5.1500001
rqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.595000029
rqOvlSta_LKAFault_Cnt_M_lgc	1
rqOvlSta_LKAPermFault_Cnt_M_lgc	1
rqOvlSta_LKAPermFault_Cnt_M_u08	4
rqOvlSta_LKAState_State_M_enum	0
rqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	14.3999996
rqOvlSta_ReadytoPulse_Cnt_M_lgc	0
_APAIncludeHaptic_Cnt_lgc	0
_APAMaxHwTrqTime_Sec_f32	0.949999988
_APAMaxHwTrq_HwNm_f32	0
_APAMaxVehSpd_Kph_f32	167.399994
_ESCMaxVehSpd_Kph_f32	77.5999985
_HapticAmplitude_MtrNm_f32	0.558000028
_HapticDuration_Sec_f32	1.39499998
_HapticFreq_Hz_f32	46.1800003
_HapticReacttime_Sec_f32	1.48800004
_LKAMaxVehSpd_Kph_f32	176.699997
_LKAMinVehSpd_Kph_f32	162.75
MaxHapticReqTime_Sec_f32	0.090000036
_SWARLimiter_HwDeg_f32	13.8999996
ShiftLevRevTime_Sec_f32	0.0209999997
 _StandstillThresh_Kph_f32	3.72000003
standstillTime_Sec_f32	0.020999997
gt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	5.94999981
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_Igc	
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_Igc
gt_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Per1_APARecoverableFaults_Cnt_Igc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
gt_Rte_Inst_Ap_TrqOviota.TrqOviota_Fet1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Per1_APAState_State_enum	tgt_TrqOvISta_Per1_APAState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_Igc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_Igc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESClsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_Igc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
pt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_Igc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
pt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt TrqOvlSta Per1 PosSrvoHwAngle HwDeg f32

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TrqOvlSta_Per1

Name	Input Value			
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lç			
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_Hwl	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngReques	st_HwDeg_f32		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse	e_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f	32		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lg	JC .		
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_ESClsLimited_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_ShiftLeverlsInReverse_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 ± 0.0009765628		
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✓	

Test Step Call Trace				V
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 TrgOvlSta Per1 CP1 CheckpointReached	1	Rte Call TrgOvISta Per1 CP1 ChecknointReached	1	_

46.1800003

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

tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value

46.1800003 ± 0.0009765625

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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
TrqOvISta_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
$tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgcolor=0.00000000000000000000000000000000000$	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_ESClsLimited_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_Igc	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_ShiftLeverlsInReverse_Cnt_Igc	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
	750.26001
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1

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Name	Input Value		
tgt TrqOvlSta Per1 ESCIsLimited Cnt Igc.value	1		
tgt TrqOvlSta Per1 ESCRequest Cnt Igc.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 Igc.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_ShiftLeverlsInReverse_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	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
11000	·
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

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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	3.7999995
k_StandstillTime_Sec_f32	0.0289999992
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FitInjection_Sign	6.25
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_APADrvrInterventionDetected_Cnt_Igo	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Per1_APANonRecoverableFaults_Cnt_Igc tgt_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Per1_APARecoverableFaults_Cnt_Igc	tgt TrqOvISta Per1 APARecoverableFaults Cnt Igc
tgt_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvISta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_APAState_State_enum	tgt TrgOvlSta Per1 APAState State enum
tgt Rte Inst Ap TrqOvISta.TrqOvISta Per1 CCWFound Cnt Igc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvISta_Per1_CCWPosition_HwDeg_f32
tgt Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 CWFound Cnt Igc	tgt TrqOvlSta Per1 CWFound Cnt lgc
tgt Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 CWPosition HwDeg f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_Igc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESClsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESClsLimited_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_Igc	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_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt Rte Inst Ap TrqOvISta.TrqOvISta Per1 SWARTrgtAngRequest HwDeg f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt Rte Inst Ap TrqOvISta.TrqOvISta Per1 ShiftLeverIsInReverse Cnt Igc	tgt TrqOvIsta Per1 ShiftLeverIsInReverse Cnt Igc
tgt Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 TrqOscAmp MtrNm f32	tgt_TrqOvISta_Per1_TrqOscAmp_MtrNm_f32
tgt Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 TrqOscEnable Cnt Igc	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_TrqOvISta_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_ESClsLimited_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	6.099999
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 tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	0.159999996
IUI TIUOVIOIA FELL OWAR HUIAHUREUUESI FIWDED 132.VAIUE	-20.2999992



Name	Input Value		
tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_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				V
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	0.69999988
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

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TrqOvlSta_Per1



Name	Input Value		
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	6.4000001		
$tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgcolor=0.00000000000000000000000000000000000$	tgt_TrqOvlSta_Per1_APADrvrInterventionDe	tected_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFa	aults_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_	<u>f</u> 32	
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_f3	32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_Igc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESClsLimited_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_TrqOvISta.TrqOvISta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnab tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnab		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnab		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt TrqOvlSta Per1 HapticRequest Cnt Igo		
tgt Rte Inst Ap TrqOvISta.TrqOvISta Per1 HwTorque HwNm f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt TrqOvISta Per1 LKAFault Cnt Igc		
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_LKAInhibit_Cnt_Igc	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_rer1_EtvAState_State_enum		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpee		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lg		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt TrqOvlSta Per1 PosSrvoHwAngle HwD		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgd		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDe		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f3	2	
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_ESClsLimited_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 -18.7000008		
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	1		
tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc.value		From a stand Walter	D
Name	Actual Value	Expected Value	Resul
TrqOvISta_APAState_State_M_enum	3	3	
TrqOvISta_ESCState_State_M_enum TrqOvISta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	3	3 1477017 ± 1	
TrqOvISta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 TrqOvISta_ElapsedShiftl evRevTime_Sec_M_f32	1477017	1477017 ± 1	
TrqOvISta_ElapsedShiftLevRevTime_Sec_M_f32	73540.7188	73540.7188 ± 1	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	
TrqOvISta_HapticState_State_M_enum TrqOvISta_Hapticdur_Cot_M_u16	5000	0	
TrqOvISta_Haptictime_See_M_f22	5000	5000 ± 1	
TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_Haptictime_Set_Multip_M_Str_SV_Lilio_f23	0	0 ± 1	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	2.43120003	2.43120003 ± 0.000009	
TrqOvISta_LKAFault_Cnt_M_lgc	0	0 ± 1	
TrqOvISta_LKAPermFault_Cnt_M_lgc TrqOvISta_LKAPermFault_Cnt_M_u08	1 2	1 ± 1 2 ± 1	
TrqOvlSta_LKAPermFault_Cnt_M_u08 TrqOvlSta_LKAState_State_M_enum	3	3	
LINCANCIA ENACIALE CIALE IN CHUIII	1 U	1.4	

 $TrqOvlSta_LKAState_State_M_enum$

TrqOvlSta_Per1





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				V
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
TrgOvlSta 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
TrqOviSta LKAFault Cnt M lgc	1
TrqOvISta_LKAPermFault_Cnt_M_lgc	0
TrqOvISta_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 Igc	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 MaxHapticRegTime 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 TrgOvlSta FaultInjection SCom FltInjection Sign	6.55000019
tgt Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 APADrvrInterventionDetected Cnt Ig	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 APARecoverableFaults Cnt Igc	tgt TrgOvlSta Per1 APARecoverableFaults Cnt Igc
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 TrgOvlSta Per1 APAState State enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_Igc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 CCWPosition HwDeg f32	tgt TrgOvlSta Per1 CCWPosition HwDeg f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvISta_Per1_CWFound_Cnt_Igc
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 Igc	tgt TrgOvISta Per1 ESCFault Cnt Igc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_Igc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvISta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta Per1_ESGNequest_cht_gg
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvISta_Per1_GMOSHOscillateState_State_enum
	102 1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

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Name	Input Value		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgE	nable_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgE	nable_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEr	nable_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_lg		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_en		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleS		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32 tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_MinSecureVehicleS tgt_TrqOvlSta_Per1_PosServEnable_Cn		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_H		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_H		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequ		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInRever	se_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	2	
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 0		
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	765.080017		
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0		
tgt_TrqOvISta_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 tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	0.180000007		
tgt_TrqOvISta_Per1_ShiftLeverIsInReverse_Cnt_Igc.value	0		
Name	Actual Value	Expected Value	Resul
TrqOvISta_APAState_State_M_enum	4	4	Resul
TrgOvISta 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	1	0 ± 1	
	0		
TrqOvlSta_LKAPermFault_Cnt_M_u08	3	3 ± 1	
TrqOvlSta_LKAState_State_M_enum	3 4	4	
TrqOvlSta_LKAState_State_M_enum TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	3 4 20	4 20 ± 0.0009765625	
TrqOvlSta_LKAState_State_M_enum TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvlSta_ReadytoPulse_Cnt_M_lgc	3 4 20 0	4 20 ± 0.0009765625 0 ± 1	
TrqOvlSta_LKAState_State_M_enum TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvlSta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	3 4 20 0	4 20 ± 0.0009765625 0 ± 1 1 ± 1	,
TrqOvlSta_LKAState_State_M_enum TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvlSta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value tgt_TrqOvlSta_Per1_APAState_State_enum.value	3 4 20 0 1 4	4 20 ± 0.0009765625 0 ± 1 1 ± 1	
TrqOvlSta_LKAState_State_M_enum TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvlSta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value tgt_TrqOvlSta_Per1_APAState_State_enum.value tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3 4 20 0 1 4 4	4 20 ± 0.0009765625 0 ± 1 1 ± 1 4	
TrqOvlSta_LKAState_State_M_enum TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvlSta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value tgt_TrqOvlSta_Per1_APAState_State_enum.value tgt_TrqOvlSta_Per1_ESCState_State_enum.value tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	3 4 20 0 1 4 4	4 20 ± 0.0009765625 0 ± 1 1 ± 1 4 4	
TrqOvlSta_LKAState_State_M_enum TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvlSta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value tgt_TrqOvlSta_Per1_APAState_State_enum.value tgt_TrqOvlSta_Per1_ESCState_State_enum.value tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value tgt_TrqOvlSta_Per1_LKAState_State_enum.value	3 4 20 0 1 4 4 0	4 20 ± 0.0009765625 0 ± 1 1 ± 1 4 0 4	
TrqOvlSta_LKAState_State_M_enum TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvlSta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value tgt_TrqOvlSta_Per1_APAState_State_enum.value tgt_TrqOvlSta_Per1_ESCState_State_enum.value tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value tgt_TrqOvlSta_Per1_LKAState_State_enum.value tgt_TrqOvlSta_Per1_LKAState_State_enum.value tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	3 4 20 0 1 4 4	4 20 ± 0.0009765625 0 ± 1 1 ± 1 4 4	
TrqOvlSta_LKAState_State_M_enum TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvlSta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value tgt_TrqOvlSta_Per1_APAState_State_enum.value tgt_TrqOvlSta_Per1_ESCState_State_enum.value tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value tgt_TrqOvlSta_Per1_LKAState_State_enum.value	3 4 20 0 1 4 4 0 4	4 20 ± 0.0009765625 0 ± 1 1 ± 1 4 4 0 4 0 ± 1	
TrqOvISta_LKAState_State_M_enum TrqOvISta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvISta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvISta_Per1_APADrvrInterventionDetected_Cnt_lgc.value tgt_TrqOvISta_Per1_APAState_State_enum.value tgt_TrqOvISta_Per1_ESCState_State_enum.value tgt_TrqOvISta_Per1_GMOSHOscillateState_State_enum.value tgt_TrqOvISta_Per1_LKAState_State_enum.value tgt_TrqOvISta_Per1_PosServEnable_Cnt_lgc.value tgt_TrqOvISta_Per1_PosSrvoHwAngle_HwDeg_f32.value	3 4 20 0 1 4 4 0 4 0 20	4 20 ± 0.0009765625 0 ± 1 1 ± 1 4 4 0 4 0 ± 1 20 ± 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
FrqOvISta_APAState_State_M_enum	0
rqOvlSta_ESCState_State_M_enum	4
rqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	1544943
rqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	75140.0781
rqOvlSta_ElapsedStandstillTime_Sec_M_f32	300048
FrqOvlSta_HapticState_State_M_enum	0
rqOvlSta_Hapticdur_Cnt_M_u16	9000
rqOvlSta_Haptictime_Sec_M_f32	168710.594
FrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-3.4000001
rqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.649999976
rqOvlSta_LKAFault_Cnt_M_lgc	0
FrqOvlSta_LKAPermFault_Cnt_M_lgc	0
rqOvlSta_LKAPermFault_Cnt_M_u08	0
rqOvlSta_LKAState_State_M_enum	4
rqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	21.3999996
rqOvlSta_ReadytoPulse_Cnt_M_lgc	1
_APAIncludeHaptic_Cnt_lgc	0
	0.550000012
APAMaxHwTrq_HwNm_f32	2
 APAMaxVehSpd_Kph_f32	176.399994
z_ESCMaxVehSpd_Kph_f32	103.099998
	0.588
	1.47000003
HapticFreq Hz f32	48.75
	1.56799996
KAMaxVehSpd_Kph_f32	186.199997
LKAMinVehSpd Kph f32	171.5
:tct www.repa_repr_ez :MaxHapticReqTime_Sec_f32	0.165000007
_SWARLimiter_HwDeg_f32	15.3999996
_ShiftLevRevTime_Sec_f32	0.0410000011
_StandstillThresh_Kph_f32	3.92000008
:_StandstillTime_Sec_f32	0.0410000011
	6.6999981
gt_Rte_Call_Ap_TrqOvISta_FaultInjection_SCom_FitInjection_Sign	
gt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_APADrvrInterventionDetected_Cnt_Ig	
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_Igc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_Igc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESClsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_Igc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_Igc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOviota_r cri_wiinioconeveniologeco_rpn_ioz





Name	Input Value		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lg	gc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_Hwl	Deg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngReque	st_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse	e_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_t	32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lg	jc	
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 Igc.value	1		
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1		
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1		
tgt TrgOvlSta Per1 GMOSH ESCMfgEnable Cnt Igc.value	1		
tgt TrqOvlSta Per1 GMOSH LKAMfgEnable Cnt Igc.value	1		
tgt_TrqOvISta_Per1_HapticRequest_Cnt_lgc.value	0		
tgt TrqOvISta Per1 HwTorque HwNm f32.value	6.6999981		
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1		
tgt TrqOvlSta Per1 LKAInhibit Cnt Igc.value	0		
	1		
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	461.399994		
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	471.200012		
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value			
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_ShiftLeverlsInReverse_Cnt_Igc.value	0	1	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	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 Igc.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_TrqOvISta_Per1_LKAState_State_enum.value	4	4	
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	
tgt_TrqOvISta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.18999998	0.189999998 ± 0.0009765625	
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.588	0.588 ± 0.0009765625	
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0.366	0.500 ± 0.0009705025	
tgr_nqoviota_i ori_nqosocnabio_ont_igo.value	•	0 ± 1	

Test Step Call Trace				V
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 TrgOvISta Per1 CP1 CheckpointReached	1	Rte Call TrgOvlSta Per1 CP1 CheckpointReached	1	_

48.75 ± 0.0009765625

48.75

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
TrqOvISta_APAState_State_M_enum	0
TrqOvlSta_ESCState_State_M_enum	0

tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value

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TrqOvlSta_Per1



4	
Name	Input Value
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	1578906
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	75939.7578
	306594
	2
	11000
TrqOvlSta_Haptictime_Sec_M_f32	171715
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-3.04999995
	0.661000013
	1
	1
	2 2
	22.7999992
	0
	1
_	0.980000019
	7.92000008
	0
	108.199997
	0.593999982
k_HapticDuration_Sec_f32	1.48500001
	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
	0.0450000018
	3.96000004
	0.0450000018
0 , _ , _ , _ ,	6.8499999
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
	tgt_TrqOvlSta_Per1_APAState_State_enum tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
	tgt TrqOvlSta Per1 CWFound Cnt Igc
	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
	tgt TrgOvlSta Per1 ESCIsLimited Cnt Igc
	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
	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_TrqOvlSta_Per1_LKAFault_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_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_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_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
	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_ShiftLeverlsInReverse_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
	0
J	0
tgt TrgOvlSta Per1 APARecoverableFaults Cnt lgc.value	
0_ ,	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	0 0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	0 0 -1079.51001

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Name	Input Value		
tgt_TrqOvlSta_Per1_ESClsLimited_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	0.10000001		
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-13.8999996		
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_Igc.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				V
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

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Name	Input Value
k_APAMaxHwTrqTime_Sec_f32	0.99000001
k_APAMaxHwTrq_HwNm_f32	8 220
k_APAMaxVehSpd_Kph_f32 k_ESCMaxVehSpd_Kph_f32	113.300003
k_HapticAmplitude_MtrNm_f32	0.60000024
k_HapticDuration_Sec_f32	1.5
k_HapticFreq_Hz_f32	49.7779999
k_HapticReacttime_Sec_f32	1.6000002
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_Igo	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_Igc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_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_TrqOvISta.TrqOvISta_Per1_APAState_State_enum	tgt TrgOvlSta Per1 APAState State enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_Igc	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_ESClsLimited_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_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_Igc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc 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_Igc
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_ShiftLeverlsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32 tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32 tgt TrqOvlSta Per1_TrqOscEnable Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvIsta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt TrgOvlSta Per1 APARecoverableFaults Cnt Igc.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_Igc.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_TrqOvISta_Per1_HapticRequest_Cnt_Igc.value	7,000000
tgt_TrqOvISta_Per1_HwTorque_HwNm_f32.value	7.0999999
tgt_TrqOvISta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	471.200012
tgt_TrqOvIsta_Per1_MinSecureVehicleSpeed_Kph_f32.value	481
tgt TrqOvlSta Per1 PosTrajEnable Cnt lqc.value	1
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_Igc.value tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.109999999

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Name	Input Value		
tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_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				V
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

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TrqOvlSta_Per1



Name	Input Value		
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	7.1500001		
$tgt_Rte_Inst_Ap_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgcolor and the property of t$	tgt_TrqOvlSta_Per1_APADrvrInterventionDe	tected_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFa		
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_Igc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f3	2	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_Igc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESClsLimited_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_		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnab		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnab		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnab		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc	•	
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_Igc	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_Igc	tgt_TrqOvlSta_Per1_LKAState_State_enum		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum	ad Knh f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpec		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpee		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lg tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwE		
tgt_Rte_Inst_Ap_TrqOvlSta.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_HwDe		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32 tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f3 tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32		
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	1		
tgt_TrqOvISta_Per1_APARecoverableFaults_Cnt_Igc.value	1		
tgt_TrqOvISta_Per1_APARequest_Cnt_lgc.value	0		
tgt TrqOvlSta Per1 CCWFound Cnt Igc.value	0		
tgt_TrqOvISta_Per1_CCWPosition_HwDeg_f32.value	-1059.31006		
tgt TrqOvlSta Per1 CWFound Cnt Igc.value	0		
tgt_TrqOvISta_Per1_CWPosition_HwDeg_f32.value	784.840027		
tgt TrqOvlSta Per1 ESCFault Cnt Igc.value	0		
tgt TrqOvlSta Per1 ESCIsLimited Cnt Igc.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_ShiftLeverlsInReverse_Cnt_Igc.value	0		
Name	Actual Value	Expected Value	Resul
TrqOvlSta_APAState_State_M_enum	4	4	
TrqOvlSta_ESCState_State_M_enum	4	4	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	٠,
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	٠,
TrqOvlSta_HapticState_State_M_enum	2	2	
TrqOvlSta_Hapticdur_Cnt_M_u16	15000	15000 ± 1	٠,
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	•
		0.4	
TrqOvlSta_LKAPermFault_Cnt_M_u08	3	3 ± 1	•

 $TrqOvlSta_LKAState_State_M_enum$

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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	~

Fest Step 2.88 (Repeat Count = 1)	In and Malian
lame	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
rqOvlSta_APAState_State_M_enum	1
rqOvlSta_ESCState_State_M_enum	3
rqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	1680795
rqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	78338.7969
rqOvlSta_ElapsedStandstillTime_Sec_M_f32	326232
rqOvlSta_HapticState_State_M_enum	1
rqOvlSta_Hapticdur_Cnt_M_u16	0
rqOvlSta_Haptictime_Sec_M_f32	180730
rqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-2
rqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.407999992
rqOvlSta_LKAFault_Cnt_M_lgc	0
rqOvlSta_LKAPermFault_Cnt_M_lgc	0
rqOvlSta_LKAPermFault_Cnt_M_u08	1
rqOvlSta_LKAState_State_M_enum	2
rqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	27
rqOvlSta_ReadytoPulse_Cnt_M_lgc	1
APAIncludeHaptic Cnt Igc	1
APAMaxHwTrqTime Sec f32	0.123000003
_APAMaxHwTrq_HwNm_f32	6.07999992
APAMaxVehSpd Kph f32	136.800003
ESCMaxVehSpd Kph f32	123.5
ecomavonopa_rsn_io2 _HapticAmplitude_MtrNm_f32	0.456
HapticDuration Sec f32	0
HapticFreq_Hz_f32	50.8059998
	1.21599996
_HapticReacttime_Sec_f32	144.399994
_LKAMaxVehSpd_Kph_f32	133
LKAMinVehSpd_Kph_f32	11
_MaxHapticReqTime_Sec_f32	0.5
_SWARLimiter_HwDeg_f32	16.6000004
ShiftLevRevTime_Sec_f32	0.305000007
_StandstillThresh_Kph_f32	3.03999996
_StandstillTime_Sec_f32	0.305000007
gt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	3.4000001
at Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 APADrvrInterventionDetected Cnt Ic	
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_Igc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESClsLimited_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum

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Name	Input Value			
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEr	able_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEr	nable_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEn	able_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_f	32		
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_lg			
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enu			
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleS			
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSp	· -		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt			
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_H	- -		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_			
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_Hv			
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32 tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc				
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_			
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_TrqOvISta_Per1_APARecoverableFaults_Cnt_Igc.value	0			
tgt_TrqOviSta_Per1_APARequest_Cnt_lgc.value	1			
tgt_TrqOvISta_Per1_CCWFound_Cnt_Igc.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_Igc.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			
-	1 1111111			
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_Igc.value	1			
		Expected Value	Resu	
tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc.value	1	Expected Value	Resu	
tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc.value Name	1 Actual Value			
tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc.value Name TrqOvlSta_APAState_State_M_enum TrqOvlSta_ESCState_State_M_enum TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	1 Actual Value 0	0 3 0±1		
tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc.value Name TrqOvlSta_APAState_State_M_enum TrqOvlSta_ESCState_State_M_enum	1 Actual Value 0 3	3		
tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc.value Name TrqOvlSta_APAState_State_M_enum TrqOvlSta_EScState_State_M_enum TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32 TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	1 Actual Value 0 3 0 78338.7969 0	0 3 0±1 78338.7969±1 0±1		
tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc.value Name TrqOvlSta_APAState_State_M_enum TrqOvlSta_EScState_State_M_enum TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32 TrqOvlSta_ElapsedStandstillTime_Sec_M_f32 TrqOvlSta_HapticState_State_M_enum	1 Actual Value 0 3 0 78338.7969 0 0	0 3 0±1 78338.7969±1 0±1	•	
tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc.value Name TrqOvlSta_APAState_State_M_enum TrqOvlSta_ESCState_State_M_enum TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32 TrqOvlSta_ElapsedStandstillTime_Sec_M_f32 TrqOvlSta_HapticState_State_M_enum TrqOvlSta_HapticOtate_State_M_enum TrqOvlSta_Hapticdur_Cnt_M_u16	1 Actual Value 0 3 0 78338.7969 0 0	0 3 0±1 78338.7969±1 0±1		
tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc.value Name TrqOvlSta_APAState_State_M_enum TrqOvlSta_ESCState_State_M_enum TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32 TrqOvlSta_ElapsedStandstillTime_Sec_M_f32 TrqOvlSta_HapticState_State_M_enum TrqOvlSta_Hapticdur_Cnt_M_u16 TrqOvlSta_Haptictime_Sec_M_f32	1 Actual Value 0 3 0 78338.7969 0 0 0 0	0 3 0±1 78338.7969±1 0±1 0 0±1		
tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc.value Name TrqOvlSta_APAState_State_M_enum TrqOvlSta_ESCState_State_M_enum TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32 TrqOvlSta_ElapsedStandstillTime_Sec_M_f32 TrqOvlSta_HapticState_State_M_enum TrqOvlSta_Hapticdur_Cnt_M_u16 TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_Haptictime_Sec_M_f32	1 Actual Value 0 3 0 78338.7969 0 0 0 0 0 -2	0 3 0±1 78338.7969±1 0±1 0 0±1 0±1 -2±0.000009		
tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc.value Name TrqOvlSta_APAState_State_M_enum TrqOvlSta_EScState_State_M_enum TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32 TrqOvlSta_ElapsedStandstillTime_Sec_M_f32 TrqOvlSta_HapticState_State_M_enum TrqOvlSta_Hapticdur_Cnt_M_u16 TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32 TrqOvlSta_LKAFault_Cnt_M_lgc	1 Actual Value 0 3 0 78338.7969 0 0 0 0 0 0 0 -2 1	0 3 0±1 78338.7969±1 0±1 0 0±1 0±1 -2±0.000009 1±1		
tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc.value Name TrqOvlSta_APAState_State_M_enum TrqOvlSta_EScState_State_M_enum TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32 TrqOvlSta_ElapsedStandstillTime_Sec_M_f32 TrqOvlSta_HapticState_State_M_enum TrqOvlSta_Hapticotur_Cnt_M_u16 TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_HawTorqueSV_HwNm_M_Str.SV_UIs_f32 TrqOvlSta_LKAFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_lgc	1 Actual Value 0 3 0 78338.7969 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 3 0±1 78338.7969±1 0±1 0 0±1 0±1 -2±0.000009 1±1 0±1		
tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc.value Name TrqOvlSta_APAState_State_M_enum TrqOvlSta_EScState_State_M_enum TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32 TrqOvlSta_ElapsedStandstillTime_Sec_M_f32 TrqOvlSta_HapticState_State_M_enum TrqOvlSta_Hapticdur_Cnt_M_u16 TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_HawTorqueSV_HwNm_M_Str.SV_UIs_f32 TrqOvlSta_LKAFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_u08	1 Actual Value 0 3 0 78338.7969 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 3 0±1 78338.7969±1 0±1 0 0±1 -2±0.000009 1±1 0±1 2±1		
tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc.value Name TrqOvlSta_APAState_State_M_enum TrqOvlSta_EScState_State_M_enum TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32 TrqOvlSta_ElapsedStandstillTime_Sec_M_f32 TrqOvlSta_HapticState_State_M_enum TrqOvlSta_Hapticdur_Cnt_M_u16 TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32 TrqOvlSta_LKAFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_u08 TrqOvlSta_LKAState_State_M_enum	1 Actual Value 0 3 0 78338.7969 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 3 0±1 78338.7969±1 0±1 0 0±1 -2±0.000009 1±1 0±1 2±1 2		
tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc.value Name TrqOvlSta_APAState_State_M_enum TrqOvlSta_EScState_State_M_enum TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32 TrqOvlSta_ElapsedStandstillTime_Sec_M_f32 TrqOvlSta_HapticState_State_M_enum TrqOvlSta_Hapticdur_Cnt_M_u16 TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32 TrqOvlSta_LKAFault_Cnt_M_Igc TrqOvlSta_LKAPermFault_Cnt_M_u08 TrqOvlSta_LKAState_State_M_enum TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	1 Actual Value 0 3 0 78338.7969 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 3 0±1 78338.7969±1 0±1 0 0±1 0 0±1 -2±0.000009 1±1 0±1 2±1 2 0.129999995±0.0009765625		
tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc.value Name TrqOvlSta_APAState_State_M_enum TrqOvlSta_ESCState_State_M_enum TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32 TrqOvlSta_ElapsedStandstillTime_Sec_M_f32 TrqOvlSta_HapticState_State_M_enum TrqOvlSta_Hapticdur_Cnt_M_u16 TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32 TrqOvlSta_LKAFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_u08 TrqOvlSta_LKAState_State_M_enum TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvlSta_ReadytoPulse_Cnt_M_lgc TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1 Actual Value 0 3 0 78338.7969 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 3 0±1 78338.7969±1 0±1 0 0±1 0 0±1 -2±0.000009 1±1 0±1 2±1 2 0.129999995±0.0009765625 1±1		
tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc.value Name TrqOvlSta_APAState_State_M_enum TrqOvlSta_ESCState_State_M_enum TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32 TrqOvlSta_ElapsedStandstillTime_Sec_M_f32 TrqOvlSta_HapticState_State_M_enum TrqOvlSta_Hapticdur_Cnt_M_u16 TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32 TrqOvlSta_LKAFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_u08 TrqOvlSta_LKAState_State_M_enum TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvlSta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	1 Actual Value 0 3 0 78338.7969 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 3 0±1 78338.7969±1 0±1 0 0±1 0 0±1 -2±0.000009 1±1 0±1 2±1 2 0.1299999995±0.0009765625 1±1 0±1		
tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc.value Name TrqOvlSta_APAState_State_M_enum TrqOvlSta_EScState_State_M_enum TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32 TrqOvlSta_ElapsedStandstillTime_Sec_M_f32 TrqOvlSta_HapticState_State_M_enum TrqOvlSta_Hapticotur_Cnt_M_u16 TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32 TrqOvlSta_LKAFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_u08 TrqOvlSta_LKAState_State_M_enum TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvlSta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_Igc.value tgt_TrqOvlSta_Per1_APAState_State_enum.value	1 Actual Value 0 3 0 78338.7969 0 0 0 0 0 -2 1 0 2 2 0.129999995 1 0 0	0 3 0±1 78338.7969±1 0±1 0 0±1 0±1 -2±0.000009 1±1 0±1 2±1 2 0.129999995±0.0009765625 1±1 0±1 0		
tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc.value Name TrqOvlSta_APAState_State_M_enum TrqOvlSta_EScState_State_M_enum TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32 TrqOvlSta_ElapsedStandstillTime_Sec_M_f32 TrqOvlSta_HapticState_State_M_enum TrqOvlSta_Hapticdur_Cnt_M_u16 TrqOvlSta_Hapticdur_Cnt_M_u16 TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32 TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32 TrqOvlSta_LKAFault_Cnt_M_Igc TrqOvlSta_LKAPermFault_Cnt_M_u08 TrqOvlSta_LKAPermFault_Cnt_M_u08 TrqOvlSta_LKAState_State_M_enum TrqOvlSta_LKAState_State_M_enum TrqOvlSta_ReadytoPulse_Cnt_M_Igc tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_Igc.value tgt_TrqOvlSta_Per1_ESCState_State_enum.value	1 Actual Value 0 3 0 78338.7969 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 3 0±1 78338.7969±1 0±1 0 0±1 0±1 -2±0.000009 1±1 0±1 2±1 2 0.129999995±0.0009765625 1±1 0±1 0 3		
tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc.value Name TrqOvlSta_APAState_State_M_enum TrqOvlSta_EScState_State_M_enum TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32 TrqOvlSta_ElapsedStandstillTime_Sec_M_f32 TrqOvlSta_HapticState_State_M_enum TrqOvlSta_Hapticdur_Cnt_M_u16 TrqOvlSta_Hapticdur_Cnt_M_u16 TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32 TrqOvlSta_LKAFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_u08 TrqOvlSta_LKAPermFault_Cnt_M_u08 TrqOvlSta_LKAState_State_M_enum TrqOvlSta_LKAState_State_M_enum TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvlSta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvlSta_Per1_APAState_State_enum.value tgt_TrqOvlSta_Per1_APAState_State_enum.value tgt_TrqOvlSta_Per1_ESCState_State_enum.value tgt_TrqOvlSta_Per1_GMOSHOScillateState_State_enum.value	1 Actual Value 0 3 0 78338.7969 0 0 0 0 -2 1 0 2 2 0.129999995 1 0 0 3 0	0 3 0±1 78338.7969±1 0±1 0 0±1 -2±0.000009 1±1 0±1 2±1 2 0.129999995±0.0009765625 1±1 0±1 0 3 0		
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_Igc.value Name TrqOvlSta_APAState_State_M_enum TrqOvlSta_ESCState_State_M_enum TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32 TrqOvlSta_ElapsedStandstillTime_Sec_M_f32 TrqOvlSta_HapticState_State_M_enum TrqOvlSta_HapticOtl_Cnt_M_u16 TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_HapticTort_M_u16 TrqOvlSta_LKAFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_u08 TrqOvlSta_LKAPermFault_Cnt_M_u08 TrqOvlSta_LKAState_State_M_enum TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvlSta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvlSta_Per1_APAState_State_enum.value tgt_TrqOvlSta_Per1_APAState_State_enum.value tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value tgt_TrqOvlSta_Per1_LKAState_State_enum.value	1 Actual Value 0 3 0 78338.7969 0 0 0 0 -2 1 0 0 2 2 0.129999995 1 0 0 3 0 2	0 3 0±1 78338.7969±1 0±1 0 0±1 -2±0.000009 1±1 0±1 2±1 2 0.129999995±0.0009765625 1±1 0±1 0 3 0		
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_Igc.value Name TrqOvlSta_APAState_State_M_enum TrqOvlSta_EsCState_State_M_enum TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32 TrqOvlSta_ElapsedStandstillTime_Sec_M_f32 TrqOvlSta_HapticState_State_M_enum TrqOvlSta_Hapticitime_Sec_M_f32 TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_HavtorqueSV_HwNm_M_Str.SV_Uls_f32 TrqOvlSta_LKAFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_u08 TrqOvlSta_LKAPermFault_Cnt_M_u08 TrqOvlSta_LKAState_State_M_enum TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvlSta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value tgt_TrqOvlSta_Per1_APAState_State_enum.value tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value tgt_TrqOvlSta_Per1_DesServEnable_Cnt_lgc.value	1 Actual Value 0 3 0 78338.7969 0 0 0 0 -2 1 0 0 2 2 0.129999995 1 0 0 3 0 2 1	0 3 0±1 78338.7969±1 0±1 0 0±1 -2±0.000009 1±1 0±1 2±1 2 0.129999995±0.0009765625 1±1 0±1 0 3 0 2 1±1		
tgt_TrqOvISta_Per1_ShiftLeverIsInReverse_Cnt_Igc.value Name TrqOvISta_APAState_State_M_enum TrqOvISta_EIapsedAPAMaxHwTrqTime_Sec_M_f32 TrqOvISta_EIapsedShiftLevRevTime_Sec_M_f32 TrqOvISta_EIapsedStandstillTime_Sec_M_f32 TrqOvISta_HapticState_State_M_enum TrqOvISta_HapticState_State_M_enum TrqOvISta_Hapticitime_Sec_M_f32 TrqOvISta_Haptictime_Sec_M_f32 TrqOvISta_Haptictime_Sec_M_f32 TrqOvISta_Haptictime_Sec_M_f32 TrqOvISta_Haptictime_Sec_M_f32 TrqOvISta_LKAFault_Cnt_M_Igc TrqOvISta_LKAPermFault_Cnt_M_Igc TrqOvISta_LKAPermFault_Cnt_M_u08 TrqOvISta_LKAPermFault_Cnt_M_u08 TrqOvISta_LKAPermFault_Cnt_M_u08 TrqOvISta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvISta_Pest_APADrvrInterventionDetected_Cnt_Igc.value tgt_TrqOvISta_Per1_APAState_State_enum.value tgt_TrqOvISta_Per1_ESCState_State_enum.value tgt_TrqOvISta_Per1_GMOSHOscillateState_State_enum.value tgt_TrqOvISta_Per1_CAState_State_enum.value tgt_TrqOvISta_Per1_PosServEnable_Cnt_Igc.value tgt_TrqOvISta_Per1_PosServEnable_Cnt_Igc.value tgt_TrqOvISta_Per1_PosServEnable_Cnt_Igc.value tgt_TrqOvISta_Per1_PosServEnable_Cnt_Igc.value	1 Actual Value 0 3 0 78338.7969 0 0 0 0 0 -2 1 0 0.129999995 1 0 0 2 1 0 1 0 1 0 1 0 1 0 0 1 0 0 1 0 0 0 0	0 3 0±1 78338.7969±1 0±1 0 0±1 0±1 -2±0.000009 1±1 2±1 2 0.129999995±0.0009765625 1±1 0 3 0 2 1±1 0.129999995±0.0009765625		
tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc.value Name TrqOvlSta_APAState_State_M_enum TrqOvlSta_EScState_State_M_enum TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32 TrqOvlSta_ElapsedStandstillTime_Sec_M_f32 TrqOvlSta_HapticState_State_M_enum TrqOvlSta_HapticState_State_M_enum TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32 TrqOvlSta_LKAPault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_u08 TrqOvlSta_LKAPermFault_Cnt_M_u08 TrqOvlSta_LKAState_State_M_enum TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvlSta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value tgt_TrqOvlSta_Per1_ESCState_State_enum.value tgt_TrqOvlSta_Per1_GMOSHOScillateState_State_enum.value tgt_TrqOvlSta_Per1_LKAState_State_enum.value tgt_TrqOvlSta_Per1_LKAState_State_enum.value tgt_TrqOvlSta_Per1_LKAState_State_enum.value	1 Actual Value 0 3 0 78338.7969 0 0 0 0 -2 1 0 0 2 2 0.129999995 1 0 0 3 0 2 1	0 3 0±1 78338.7969±1 0±1 0 0±1 -2±0.000009 1±1 0±1 2±1 2 0.129999995±0.0009765625 1±1 0±1 0 3 0 2 1±1		



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	~

Fest Step 2.89 (Repeat Count = 1)	
lame	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvISta	tgt_Rte_Inst_Ap_TrqOvlSta
rqOvlSta_APAState_State_M_enum	1
rqOvISta_ESCState_State_M_enum	4
rqOvISta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	1714758 79138.4766
rqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32 rqOvlSta_ElapsedStandstillTime_Sec_M_f32	332778
rqOvISta HapticState State M enum	1
rqOvISta Hapticotate_State_M_enum	3650
rqOvISta Haptictime Sec M f32	183735
rqOviSta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32	-1.64999998
rqOviSta_HwTorqueSV_HwNm_M_Str.K_UIs_f32	0.419
rqOvlSta_LKAFault_Cnt_M_lgc	0
rqOvISta_LKAPermFault_Cnt_M_lgc	0
rqOvlSta_LKAPermFault_Cnt_M_u08	2
rqOvlSta_LKAState_State_M_enum	3
rqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	28.3999996
rqOvlSta_ReadytoPulse_Cnt_M_lgc	1
_APAIncludeHaptic_Cnt_lgc	1
_APAMaxHwTrqTime_Sec_f32	0.134000003
_APAMaxHwTrq_HwNm_f32	6.15999985
_APAMaxVehSpd_Kph_f32	138.600006
_ESCMaxVehSpd_Kph_f32	128.600006
_HapticAmplitude_MtrNm_f32	0.462000012
_HapticDuration_Sec_f32	2
_HapticFreq_Hz_f32	51.3199997
_HapticReacttime_Sec_f32	1.23199999
_LKAMaxVehSpd_Kph_f32	146.300003
_LKAMinVehSpd_Kph_f32	134.75
_MaxHapticReqTime_Sec_f32	0.60000024
_SWARLimiter_HwDeg_f32	16.8999996
_ShiftLevRevTime_Sec_f32	0.308999985
_StandstillThresh_Kph_f32	3.07999992
_StandstillTime_Sec_f32	0.308999985 3.54999995
pt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lg	
gt Rte Inst Ap TrgOvIsta.TrgOvIsta Per1 APANonRecoverableFaults Cnt Igc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
gt_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt TrqOvlSta Per1 CCWPosition HwDeg f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
at Rte Inst Ap TrqOvISta.TrqOvISta Per1 CWPosition HwDeg f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
pt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESClsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESClsLimited_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
pt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_Igc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc





Name	Input Value			
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lg	gc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwI			
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32				
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse			
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 Igc	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 Igc.value	0			
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	794.719971			
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0			
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_Igc.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_TrqOvISta_Per1_HapticRequest_Cnt_lgc.value	0			
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	8.10000038			
tgt_TrqOviSta_Per1_LKAFault_Cnt_lgc.value	0			
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0			
tgt TrqOvlSta Per1 LKARequest Cnt Igc.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 Igc.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_Igc.value	1			
Name	Actual Value	Expected Value	Result	
	4	4	resuit ✓	
TrqOvISta_APAState_State_M_enum	4	4		
TrqOvlSta_ESCState_State_M_enum	0			
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32		0 ± 1		
TrqOvISta_ElapsedShiftLevRevTime_Sec_M_f32	79138.4766	79138.4766 ± 1 0 ± 1		
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	1	1	•	
TrqOvlSta_HapticState_State_M_enum	3650			
TrqOvlSta_Hapticdur_Cnt_M_u16		3650 ± 1	•	
TrqOvlSta_Haptictime_Sec_M_f32 TraOvlSta_HuvTargueSV/_HuvNep_M_Sta_SV/_Hip_f32	0	0 ± 1		
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32	-1.64999998	-1.64999998 ± 0.000009		
TrqOvISta_LKAFault_Cnt_M_lgc	0	0 ± 1	*	
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	*	
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	2 ± 1	· ·	
TrqOvISta_LKAState_State_M_enum TrqOvISta_EKAState_State_M_enum	39 3000006	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	V	
		1	~	
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	1			
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	*	
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value tgt_TrqOvlSta_Per1_LKAState_State_enum.value tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	4 0	0 ± 1	~	
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value tgt_TrqOvlSta_Per1_LKAState_State_enum.value tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	4 0 28.3999996	0 ± 1 28.3999996 ± 0.0009765625	· ·	
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value tgt_TrqOvlSta_Per1_LKAState_State_enum.value tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	4 0 28.3999996 0.462000012	0 ± 1 28.3999996 ± 0.0009765625 0.462000012 ± 0.0009765625	~	
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value tgt_TrqOvlSta_Per1_LKAState_State_enum.value tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	4 0 28.3999996	0 ± 1 28.3999996 ± 0.0009765625	· ·	

Test Step Call Trace				V
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 TrgOvlSta Per1 CP1 CheckpointReached	1	Rte Call TrgOvISta Per1 CP1 ChecknointReached	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	

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Name	Input Value
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	1748721
TrqOvISta_ElapsedShiftLevRevTime_Sec_M_f32 TrqOvISta_ElapsedStandstillTime_Sec_M_f32	79938.1563 339324
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32 TrqOvlSta_HapticState_State_M_enum	1
TrqOvISta_Hapticdur_Cnt_M_u16	25475
TrqOvISta 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
TrqOvISta_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	17.200008
k_ShiftLevRevTime_Sec_f32	0.308999985 3.07999992
k_StandstillThresh_Kph_f32 k_StandstillTime_Sec_f32	0.308999985
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	3.54999995
tgt_Rte_Inst_Ap_TrqOvISta_Taultinjection_Scotil_Titinjection_Signititgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_APADrvrInterventionDetected_Cnt_Igo	
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_Igc	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_ESClsLimited_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_Igc
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_TrqOvISta.TrqOvISta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvISta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_LRAState_State_Entitit tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_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_TrqOvISta_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_ShiftLeverlsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_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
	1
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	
tgt_TrqOvlSta_Per1_GWFound_Cnt_lgc.value tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	799.659973

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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_ShiftLeverlsInReverse_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				V
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_UIs_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

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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_Igo	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_APARecoverableFaults_Cnt_Igc	tgt TrqOvlSta Per1 APARecoverableFaults Cnt Igc
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_Igc	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_ESClsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESClsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_Igc	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_Igc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_Igc	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_Igc	tgt TrgOvlSta Per1 PosServEnable Cnt Igc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt Rte Inst Ap TrqOvISta.TrqOvISta Per1 PosTrajEnable Cnt Igc	
	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_ShiftLeverlsInReverse_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 TrgOvlSta Per1 CCWFound Cnt lgc.value	0
tgt TrqOvlSta Per1 CCWPosition HwDeg f32.value	-1018.90997
tgt_TrqOvISta_Per1_CWFound_Cnt_Igc.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 TrgOvlSta Per1 LKAInhibit Cnt Igc.value	0
tgt_TrqOvISta_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

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Name	Input Value		
tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_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	0.62999995	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	0.30899985

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TrqOvlSta_Per1



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_APADrvrInterventionDete	ected_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_Igc	tgt_TrqOvlSta_Per1_APANonRecoverableFau	ults Cnt lac	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_		
		O.II190	
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_f3	32	
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_ESClsLimited_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_S	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		
	tgt TrqOvISta Per1 HapticRequest Cnt Igc	_011_190	
tgt_Rte_Inst_Ap_TrqOvlSta.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		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDe	g_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	g_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_	HwDeg f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_C		
		90	
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		
	-1008.81		
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value			
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_Igc.value	1		
Name	Actual Value	Expected Value	Result
		•	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 ± 1	-
TrqOvISta_HapticState_State_M_enum		0	•
TrqOvlSta_Hapticdur_Cnt_M_u16	3650	3650 ± 1	
TrqOvlSta_Haptictime_Sec_M_f32		0 ± 1	•
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-1.64999998	-1.64999998 ± 0.000009	~
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	~
TrqOvISta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	
TrqOvISta_LKAPermFault_Cnt_M_u08		2 ± 1	-
TrgOvISta LKAState State M enum	3	3	-4

 $TrqOvlSta_LKAState_State_M_enum$

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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	~

lame	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvISta	tgt_Rte_Inst_Ap_TrqOvlSta
rqOvISta_APAState_State_M_enum	3
rqOvlSta_ESCState_State_M_enum	
rqOvISta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	1850610
rqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	82337.2031
rqOvlSta_ElapsedStandstillTime_Sec_M_f32	358962
rqOvlSta_HapticState_State_M_enum	2
rqOvlSta_Hapticdur_Cnt_M_u16	25475
rqOvlSta_Haptictime_Sec_M_f32	195755
rqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-1.64999998
rqOvlSta_HwTorqueSV_HwNm_M_Str.K_UIs_f32	0.419
rqOvlSta_LKAFault_Cnt_M_lgc	0
rqOvlSta_LKAPermFault_Cnt_M_lgc	0
rqOvlSta_LKAPermFault_Cnt_M_u08	2
rqOvlSta_LKAState_State_M_enum	3
rqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	34
rqOvlSta_ReadytoPulse_Cnt_M_lgc	1
_APAIncludeHaptic_Cnt_lgc	0
_APAMaxHwTrqTime_Sec_f32	0.178000003
_APAMaxHwTrq_HwNm_f32	6.15999985
_APAMaxVehSpd_Kph_f32	138.600006
_ESCMaxVehSpd_Kph_f32	149
_HapticAmplitude_MtrNm_f32	0.64200002
_HapticDuration_Sec_f32	1.65999997
_HapticFreq_Hz_f32	53.3759995
_HapticReacttime_Sec_f32	1.29999995
_LKAMaxVehSpd_Kph_f32	203.300003
_LKAMinVehSpd_Kph_f32	187.25
MaxHapticReqTime_Sec_f32	0.600000024
SWARLimiter_HwDeg_f32	18.1000004
ShiftLevRevTime_Sec_f32	0.308999985
StandstillThresh Kph f32	3.07999992
StandstillTime Sec f32	0.308999985
pt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-8
gt Rte Inst Ap TrqOvISta.TrqOvISta Per1 APADrvrInterventionDetected Cnt Ig	
pt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	
t Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 APARecoverableFaults Cnt Igc	tgt TrqOvlSta Per1 APARecoverableFaults Cnt lgc
gt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
t_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
pt_Rte_Inst_Ap_TrqOvIsta.TrqOvIsta_Per1_CCWFound_Cnt_Igc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
t_Rte_Inst_Ap_TrqOvIsta.TrqOvIsta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
t_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_Igc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
pt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
pt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_Igc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_ESCRequest_Cnt_Igc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
pt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum tgt_TrqOvlSta_Per1_GMOSHOscillateState_state_enum

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Name	Input Value		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEna	ble_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEna	ble_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnal	ple_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lg		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32	2	
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_Igc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc	2	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_LKAState_State_enun tgt TrqOvlSta Per1 MaxSecureVehicleSpe		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpe	_ · -	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_I	- · -	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_Hw		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lg		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_Hw[Deg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngReques	st_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse	_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f	32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lg	С	
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 -998.710022		
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	998.710022		
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	814.47998		
tgt_TrqOviSta_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 tgt TrqOvlSta Per1 PosTrajHwAngle HwDeg f32.value	0 0.180000007		
tgt_TrqOvISta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-1.10000007		
tgt TrqOvlSta Per1 ShiftLeverlsInReverse Cnt Igc.value	1		
Name	Actual Value	Expected Value	Result
TrqOvISta_APAState_State_M_enum	4	4	rtoodic
TrgOvISta 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	-
TrqOvISta_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 tgt TrqOvlSta Per1 APADrvrInterventionDetected Cnt lgc.value	0	1 ± 1 0 ± 1	
tgt_TrqOvISta_Per1_APAState_State_enum.value	4	0 ± 1 4	
tgt_TrqOvISta_Per1_ESCState_State_enum.value	4	4	
tgt_TrqOvISta_Per1_GMOSHOscillateState_State_enum.value	2	2	
		4	•
	4		
tgt_TrqOvlSta_Per1_LKAState_State_enum.value tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 ± 1	✓
tgt_TrqOvlSta_Per1_LKAState_State_enum.value		0 ± 1 34 ± 0.0009765625	, , , , , , , , , , , , , , , , , , ,
tgt_TrqOvlSta_Per1_LKAState_State_enum.value tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0		•
tgt_TrqOvlSta_Per1_LKAState_State_enum.value tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0 34	34 ± 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	~

est Step 2.94 (Repeat Count = 1)	
lame	Input Value
tte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
tte_Inst_Ap_TrqOvISta	tgt_Rte_Inst_Ap_TrqOvlSta
rqOvISta_APAState_State_M_enum	0
rqOvISta_ESCState_State_M_enum	4
rqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	1884573 83136.8828
rqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32 rqOvlSta_ElapsedStandstillTime_Sec_M_f32	365508
rqOvISta HapticState State M enum	0
rqOvISta Hapticotate_otate_ivi_enum	29000
rqOvISta Haptictime Sec M f32	198760.641
rqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-5.5
rqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.419
rqOvlSta_LKAFault_Cnt_M_lgc	1
rqOvISta_LKAPermFault_Cnt_M_lgc	0
rqOvlSta_LKAPermFault_Cnt_M_u08	0
rqOvlSta_LKAState_State_M_enum	0
rqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	35.4000015
rqOvlSta_ReadytoPulse_Cnt_M_lgc	1
_APAIncludeHaptic_Cnt_lgc	0
_APAMaxHwTrqTime_Sec_f32	0.188999996
_APAMaxHwTrq_HwNm_f32	8.64000034
_APAMaxVehSpd_Kph_f32	194.399994
_ESCMaxVehSpd_Kph_f32	154.100006
_HapticAmplitude_MtrNm_f32	0.648000002
_HapticDuration_Sec_f32	1.62
_HapticFreq_Hz_f32	53.8899994
_HapticReacttime_Sec_f32	1.72800004
_LKAMaxVehSpd_Kph_f32	205.199997
_LKAMinVehSpd_Kph_f32	0
_MaxHapticReqTime_Sec_f32	0.119999997
_SWARLimiter_HwDeg_f32	18.399996
_ShiftLevRevTime_Sec_f32	0.0289999992
_StandstillThresh_Kph_f32	4.32000017
_StandstillTime_Sec_f32	0.0289999992 -7.8499999
pt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FItInjection_Sign pt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lg	
pt_Rte_Inst_Ap_TrqOviSta_TrqOviSta_Per1_APANonRecoverableFaults_Cnt_Igc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
t_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOviSta_Per1_APARecoverableFaults_Cnt_lgc
t_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_APARequest_Cnt_Igc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
t_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
yt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
pt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
pt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
pt Rte Inst Ap TrqOvISta.TrqOvISta Per1 CWPosition HwDeg f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
pt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESClsLimited_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
t_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_Igc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_Igc
pt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_Igc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
t_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc





Name	Input Value		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lç	jc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwI	Deg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngReques	st_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse	_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f	32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lg	С	
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_ESClsLimited_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
TrqOvISta_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	v
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	~
TrqOvlSta_LKAPermFault_Cnt_M_u08	0	0 ± 1	V
TrqOvISta_LKAState_State_M_enum	0	0	
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.189999998	0.189999998 ± 0.0009765625	Y
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	Y
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	
tgt_TrqOvlSta_Per1_APAState_State_enum.value	3	3	V
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	V
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	Y
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	0	0	Y
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.189999998	0.189999998 ± 0.0009765625	V
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0.648000002	0.648000002 ± 0.0009765625	✓
TOT LEGIVINATA PART LEGISCHANNA CINT LOC VALUE	0	0 ± 1	✓

Test Step Call Trace				V
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 TrgOvISta Per1 CP1 CheckpointReached	1	Rte Call TrgOvlSta Per1 CP1 CheckpointReached	1	_

53.8899994

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

 $tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value$

53.8899994 ± 0.0009765625

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TrqOvlSta_Per1



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 TrqOvlSta Hapticdur Cnt M u16	2 31000
TrqOvlSta_Haptictime_Sec_M_f32	201765
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_UIs_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 k_APAIncludeHaptic_Cnt_lgc	0
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 k_LKAMinVehSpd_Kph_f32	207.100006 220
k_LKAMilivenspd_kpii_i32 k_MaxHapticReqTime_Sec_f32	0.135000005
k_SWARLimiter_HwDeg_f32	18.7000008
k_ShiftLevRevTime_Sec_f32	0.032999998
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_Igc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_Igc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_Igc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_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_Igc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc 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_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt Rte Inst Ap TrgOvISta.TrgOvISta Per1 LKAState State enum	tgt_TrqOvIsta_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_TrqOvISta_TrqOvISta_Per1_ShiftLeverIsInReverse_Cnt_Igc	tgt_TrqOvISta_Per1_ShiftLeverIsInReverse_Cnt_Igc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32 tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32 tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Per1_TrqOscEriable_Cnt_igc tgt_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFraq_Hz_f32
tgt_TrqOviSta_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

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Name	Input 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			
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	0		
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value			
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_ElapsedShiftLevRevTime_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				V
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

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TrqOvlSta_Per1



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_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_Igc	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_Igc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_Igc
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_Igc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
	tgt_TrqOvISta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_Igc	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_Igc
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_Igc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	829.299988
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt TrqOvlSta Per1 ESCIsLimited Cnt Igc.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_TrqOviSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvISta_Per1_HwTorque_HwNm_f32.value	-8.10000038
	-8.10000038 1
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	
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	0.10999999
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	3.70000005

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Name	Input Value		
tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc.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	<u> </u>

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

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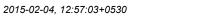
TrqOvlSta_Per1



Name	Input Value		
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-7.4000001		
$tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_Igenerated and the property of the $	tgt_TrqOvlSta_Per1_APADrvrInterventionDe	etected_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableF	aults_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults	s_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_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_	f32	
tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc	_132	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvISta_Per1_CWPosition_HwDeg_f3	32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESClsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESClsLimited_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	1	
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_APAMfgEnat		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnat		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnab		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_Igc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lg		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32 tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_LKAFault_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_LKAInhibit_Cnt_Igc	tgt_frqOviSta_Peri_LKAFauit_Cnt_igc tgt_TrqOviSta_Peri_LKAInhibit_Cnt_igc		
tgt_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Per1_LKARiniibit_Cnt_igc tgt_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Per1_LKARequest_Cnt_igc	tgt_TrqOvISta_Per1_LKARequest_Cnt_lgc		
tgt Rte Inst Ap TrqOvISta.TrqOvISta Per1 LKAState State enum	tgt_TrqOvISta_Per1_LKAState_State_enum		
tgt Rte Inst Ap TrqOvISta.TrqOvISta Per1 MaxSecureVehicleSpeed Kph f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpe		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpee		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lg		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_Hw[Deg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lg	С	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwD	eg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngReques	t_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f3		
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 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 tgt TrqOvlSta Per1 LKAFault Cnt lgc.value	8.69999981		
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_Igc.value	1	1	
Name	Actual Value	Expected Value	Result
TrqOvISta_APAState_State_M_enum	4	4	~
TrqOvlSta_ESCState_State_M_enum TrqOvlSta_ElaneadABAMaykhuTrqTime_See_M_f23	4	4	~
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 TrqOvlSta_ElapsedShiftl evPeyTime_Sec_M_f32	0 85535.9219	0 ± 1 85535.9219 ± 1	~
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32 TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	
TrqOvISta_EtapsedStandstill Time_Sec_iv_152 TrqOvISta_HapticState_State_M_enum	0	0 ± 1	
TrqOvISta_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	~
TrqOvISta_LKAPermFault_Cnt_M_u08	0	0 ± 1	~
TrqOvlSta LKAState State M enum	4	4	✓

 $TrqOvlSta_LKAState_State_M_enum$

TrqOvlSta_Per1





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				V
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
TrqOvISta_LKAPermFault_Cnt_M_lgc	0
TrqOvISta_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 MaxHapticRegTime Sec f32	0.135000005
k_SWARLimiter_HwDeg_f32	19.6000004
k ShiftLevRevTime Sec f32	0.032999998
k StandstillThresh Kph f32	4.36000013
k StandstillTime Sec f32	0.032999998
tgt Rte Call Ap TrgOvlSta FaultInjection SCom FltInjection Sign	-7.25
tgt Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 APADrvrInterventionDetected Cnt Ig	
tgt Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 APANonRecoverableFaults Cnt Igc	tgt TrqOvlSta Per1 APANonRecoverableFaults Cnt Igc
tgt Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 APARecoverableFaults Cnt Igc	tgt TrqOvlSta Per1 APARecoverableFaults Cnt Igc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt TrqOvlSta Per1 APARequest Cnt Igc
tgt Rte Inst Ap TrqOvISta.TrqOvISta Per1 APAState State enum	tgt TrqOvlSta Per1 APAState State enum
tgt_Rte_Inst_Ap_TrqOvIsta.TrqOvIsta_Per1_CCWFound_Cnt_Igc	tgt_TrqOviSta_Per1_CCWFound_Cnt_lgc
tgt Rte Inst Ap TrqOvISta.TrqOvISta Per1 CCWPosition HwDeg f32	tgt_frqovista_reri_ccwround_cnt_gc
tgt Rte Inst Ap TrqOvISta.TrqOvISta Per1 CWFound Cnt Igc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvIsta.TrqOvIsta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Fe1_CWPoultd_Cf1t_igc tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt Rte Inst Ap TrqOvISta.TrqOvISta Per1 ESCFault Cnt Igc	tgt_trqOviSta_Fet1_CWF0sition_nwDeg_t32 tgt_trqOviSta_Fet1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_ESCFault_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_ESCIsLimited_Cnt_Igc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_Igc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_ESCState_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum

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Name	Input Value		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnab	le_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnab	le_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnabl	e_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_TrqOvlSta_Per1_LKARequest_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOviSta_Per1_LKAState_State_enum		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpee	ed Kph f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpee		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lg		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwD	eg_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_HwDe	eg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f3:		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32		
tgt TrqOvlSta Per1 APANonRecoverableFaults Cnt Igc.value	0		
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0		
tgt_TrqOvISta_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 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 6.9000001		
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc.value	0		
Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	0	0	ixesuit
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	V
TrqOvlSta_LKAPermFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_u08	0 2	0 ± 1 2 ± 1	~
TrqOvISta_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	~
	0	0	~
tgt_TrqOvlSta_Per1_APAState_State_enum.value			✓
tgt_TrqOvlSta_Per1_APAState_State_enum.value tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	
	0	0	~
tgt_TrqOvlSta_Per1_ESCState_State_enum.value tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value tgt_TrqOvlSta_Per1_LKAState_State_enum.value	0	0	~
tgt_TrqOvlSta_Per1_ESCState_State_enum.value tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value tgt_TrqOvlSta_Per1_LKAState_State_enum.value tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0 0 1	0 0 1±1	*
tgt_TrqOvlSta_Per1_ESCState_State_enum.value tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value tgt_TrqOvlSta_Per1_LKAState_State_enum.value tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0 0 1 0.129999995	0 0 1±1 0.129999995±0.0009765625	· · · · · · · · · · · · · · · · · · ·
tgt_TrqOvlSta_Per1_ESCState_State_enum.value tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value tgt_TrqOvlSta_Per1_LKAState_State_enum.value tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0 0 1 0.129999995 0.671999991	0 0 1 ± 1 0.129999995 ± 0.0009765625 0.671999991 ± 0.0009765625	\rightarrow \frac{1}{2}
tgt_TrqOvlSta_Per1_ESCState_State_enum.value tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value tgt_TrqOvlSta_Per1_LKAState_State_enum.value tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0 0 1 0.129999995	0 0 1±1 0.129999995±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 TrgOvlSta Per1 CP1 CheckpointReached	1	Rte Call TrgOvlSta Per1 CP1 CheckpointReached	1	~

est Step 2.99 (Repeat Count = 1)	
lame	Input Value
tte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
tte_Inst_Ap_TrqOvISta	tgt_Rte_Inst_Ap_TrqOvlSta
rqOvISta_APAState_State_M_enum	2
rqOvISta_ESCState_State_M_enum	4
rqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	2054388
rqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	87135.2813
rqOvlSta_ElapsedStandstillTime_Sec_M_f32	398238
rqOvlSta_HapticState_State_M_enum	1
rqOvlSta_Hapticdur_Cnt_M_u16	33000
rqOvISta_Haptictime_Sec_M_f32	213785
rqOvlSta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32	-4.8000019
rqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.441000015
rqOvlSta_LKAFault_Cnt_M_lgc	
rqOvISta_LKAPermFault_Cnt_M_lgc	0
rqOvlSta_LKAPermFault_Cnt_M_u08	3
rqOvlSta_LKAState_State_M_enum	0
rqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	42.4000015
rqOvlSta_ReadytoPulse_Cnt_M_lgc	1
_APAIncludeHaptic_Cnt_lgc	1
_APAMaxHwTrqTime_Sec_f32	0.244000003
_APAMaxHwTrq_HwNm_f32	8.8000019
_APAMaxVehSpd_Kph_f32	198
_ESCMaxVehSpd_Kph_f32	179.600006
_HapticAmplitude_MtrNm_f32	0.677999973
_HapticDuration_Sec_f32	1.64999998
_HapticFreq_Hz_f32	56.4599991
_HapticReacttime_Sec_f32	1.75999999
_LKAMaxVehSpd_Kph_f32	105.75
_LKAMinVehSpd_Kph_f32	197.75
_MaxHapticReqTime_Sec_f32	0.150000006
_SWARLimiter_HwDeg_f32	19.8999996
_ShiftLevRevTime_Sec_f32	0.0370000005
_StandstillThresh_Kph_f32	4.4000001
_StandstillTime_Sec_f32	0.0370000005
gt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-7.0999999
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_Igc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_Igc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESClsLimited_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_state_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
t_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
pt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
pt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
pt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
pt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
pt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt TrqOvlSta Per1 PosSrvoHwAngle HwDeg f32

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TrqOvlSta_Per1

TIQOVISIA_PELL			TOLOU
Name	Input Value		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lg	С	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwD)eg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngReques	t_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse	_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f3		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lg		
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_Igc.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	5
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	1	1 ± 1	✓

Test Step Call Trace			V	
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 TrgOvISta Per1 CP1 CheckpointReached	1	Rte Call TrgOvlSta Per1 CP1 CheckpointReached	1	_

56.4599991

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

 $tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value$

56.4599991 ± 0.0009765625

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TrqOvlSta_Per1



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 TrqOvlSta Hapticdur Cnt M u16	1 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 k_APAIncludeHaptic_Cnt_lgc	1 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 k_LKAMinVehSpd_Kph_f32	216.600006 199.5
k_LRAWIIIVenSpd_Rpn_132 k_MaxHapticReqTime_Sec_f32	0.20999993
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_TrqOvISta.TrqOvISta_Per1_APADrvrInterventionDetected_Cnt_Igo	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_Igc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_Igc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_Igc	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_Igc	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_Igc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_Igc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc 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_Igc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKARequest_Cnt_Igc tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvIsta_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_ShiftLeverlsInReverse_Cnt_Igc
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_Igc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	lgt_riqovista_rerr_riqoscrieq_nz_isz
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvISta_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

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tgt TrqOvlSta Per1 APAState State enum.value

tgt_TrqOvlSta_Per1_ESCState_State_enum.value

tgt_TrqOvlSta_Per1_LKAState_State_enum.value

tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value

tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value

tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value

tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value

tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value

tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value

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1

3

1

3

1 ± 1

1 ± 1

0.150000006 ± 0.0009765625

56.973999 ± 0.0009765625

0 ± 0.0009765625

TrqOvlSta_Per1 Input Value tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value 1 tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value 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 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 tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value 0.150000006 tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value 10.1000004 tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc.value 1 Name **Actual Value Expected Value** Result TrqOvlSta_APAState_State_M_enum 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 41000 ± 1 41000 TrqOvlSta_Hapticdur_Cnt_M_u16 **V** TrqOvlSta_Haptictime_Sec_M_f32 0 0 ± 1 -3.4000001 ± 0.000009 TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32 -3.4000001 TrqOvlSta_LKAFault_Cnt_M_lgc 0 0 ± 1 TrqOvlSta LKAPermFault Cnt M lgc 1 ± 1 ソソソソソ TrqOvlSta_LKAPermFault_Cnt_M_u08 3 3 ± 1 TrqOvISta LKAState State M enum 3 3 0.150000006 0.150000006 ± 0.0009765625 $TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32$ TrqOvlSta ReadytoPulse Cnt M lgc 1 ± 1 tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value 0 0 ± 1

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	-

0.150000006

56.973999

1

3

3

0

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

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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 4.5999999
k_StandstillThresh_Kph_f32 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_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_ESClsLimited_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_Igc	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_Igc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_Igc	tgt_TrqOvISta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.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_TrqOviSta.TrqOviSta_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_ShiftLeverlsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_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_ESClsLimited_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 -5.5999999
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	-5.5999999 0
tgt_frqOviSta_Peri_LKAFauit_Cnt_lgc.value tgt_frqOviSta_Peri_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvISta_Per1_LKAIrmibit_Cnt_lgc.value	0
tgt TrqOvlSta Per1 MaxSecureVehicleSpeed Kph f32.value	72.0999985
tgt_TrqOvISta_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

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Name	Input Value		
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_Igc.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	0.23999995
k_SWARLimiter_HwDeg_f32	20.7999992
k_ShiftLevRevTime_Sec_f32	0.0610000007
k_StandstillThresh_Kph_f32	4.63999987
k_StandstillTime_Sec_f32	0.0610000007

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TrqOvlSta_Per1



Name	Input Value		
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-6.6500001		
$tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lganglering and the property of the$	tgt_TrqOvlSta_Per1_APADrvrInterventionDe	etected_Cnt_lgc	
$tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc$	tgt_TrqOvlSta_Per1_APANonRecoverableF	aults_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults	s_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_	<u>f</u> 32	
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_f3	32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESClsLimited_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	1	
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_APAMfgEnab	ole_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnat	ole_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnab	le_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lg	0	
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_MaxSecureVehicleSpe	ed_Kph_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpee	ed_Kph_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lg	ıc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwD	Deg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lge	c	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwD	eg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest	_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_	_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f3	2	
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_ESClsLimited_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_TrqOviSta_Per1_LKAFault_Cnt_lgc.value	1		
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_Igc.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_ShiftLeverlsInReverse_Cnt_Igc.value	0		
Name	Actual Value	Expected Value	Resul
TrqOvISta_APAState_State_M_enum	0	0	rtosul
TrqOvISta_ESCState_State_M_enum	3	3	
TrqOvISta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	
TrqOvISta_ElapsedShiftLevRevTime_Sec_M_f32	0	0±1 0±1	
TrqOvISta_ElapsedStandstillTime_Sec_M_f32	0	0±1	
TrqOvISta_EtapsedStathdstill1fffe_Sec_ivi_is2 TrqOvISta_HapticState_State_M_enum	0	0 = 1	
TrqOvISta_Hapticdur_Cnt_M_u16	45000	45000 ± 1	
	222801.016	45000 ± 1 222801.016 ± 1	
TrqOvISta_Haptictime_Sec_M_f32 TrqOvISta_HapticrusSV_HaNlm_M_Str_SV_Lilic_f32			
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32	-2.70000005 1	-2.70000005 ± 0.000009	
TrqOvISta_LKAFault_Cnt_M_lgc		1±1	
TrqOvISta_LKAPermFault_Cnt_M_lgc	3	1±1	
TrqOvISta_LKAPermFault_Cnt_M_u08 TrqOvISta_LKAState_State_M_enum	3	3 ± 1	
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 $TrqOvlSta_LKAState_State_M_enum$

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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	0.30000012	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	~

Fest Step 2.103 (Repeat Count = 1)	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvISta	tgt_Rte_Inst_Ap_TrqOvlSta
rqOvISta_APAState_State_M_enum	3
rqOvlSta_ESCState_State_M_enum	
rqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	2190240
rqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	90334
rqOvlSta_ElapsedStandstillTime_Sec_M_f32	424422
TrqOvISta_HapticState_State_M_enum	0
rqOvlSta_Hapticdur_Cnt_M_u16	43000
rqOvlSta_Haptictime_Sec_M_f32	225806.359
rqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-3.04999995
rqOvlSta_HwTorqueSV_HwNm_M_Str.K_UIs_f32	0.495999992
rqOvlSta_LKAFault_Cnt_M_lgc	1
rqOvlSta_LKAPermFault_Cnt_M_lgc	1
rqOvlSta_LKAPermFault_Cnt_M_u08	4
rqOvlSta_LKAState_State_M_enum	4
rqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	48
rqOvlSta_ReadytoPulse_Cnt_M_lgc	1
_APAIncludeHaptic_Cnt_lgc	0
_APAMaxHwTrqTime_Sec_f32	0.287999988
_APAMaxHwTrq_HwNm_f32	9.19999981
_APAMaxVehSpd_Kph_f32	207
_ESCMaxVehSpd_Kph_f32	26.7000008
_HapticAmplitude_MtrNm_f32	0.349999994
_HapticDuration_Sec_f32	1.72500002
_HapticFreq_Hz_f32	58.5159988
_HapticReacttime_Sec_f32	1.84000003
_LKAMaxVehSpd_Kph_f32	218.5
_LKAMinVehSpd_Kph_f32	201.25
MaxHapticReqTime_Sec_f32	0.224999994
SWARLimiter_HwDeg_f32	21.1000004
ShiftLevRevTime_Sec_f32	0.057
StandstillThresh_Kph_f32	4.5999999
StandstillTime Sec f32	0.057
pt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-6.5
at Rte Inst Ap TrgOvISta.TrgOvISta Per1 APADrvrInterventionDetected Cnt Ig	
pt_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Per1_APANonRecoverableFaults_Cnt_lgc	
t Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 APARecoverableFaults Cnt Igc	tgt TrqOvlSta Per1 APARecoverableFaults Cnt lgc
gt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
t_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
pt_Rte_Inst_Ap_TrqOvIsta.TrqOvIsta_Per1_CCWFound_Cnt_Igc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
t_Rte_Inst_Ap_TrqOvIsta.TrqOvIsta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
t_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_Igc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
pt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
pt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_PerT_ESCFatilt_Crit_Igc gt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_PerT_ESCIsLimited_Crit_Igc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_Igc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum tgt_TrqOvlSta_Per1_GMOSHOscillateState_state_enum

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Name	Input Value		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnal	ble_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnal	ble Cnt lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_Igc		tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lg		
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_MaxSecureVehicleSpe	eed_Kph_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpe	ed_Kph_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lo	gc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_Hwl	Deg 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_SWARTrgtAngReques	t_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse	_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f3	32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgr		
		•	
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 TrgOvlSta Per1 CCWFound Cnt lgc.value	0		
	-897.710022		
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value			
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		
	0		
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value			
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_Igc.value	0		
Name	Actual Value	Expected Value	Result
	4	4	11000
TrqOvISta_APAState_State_M_enum			
TrqOvlSta_ESCState_State_M_enum	4	4	•
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	•
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	-
TrgOvlSta ElapsedStandstillTime Sec M f32	0	0 ± 1	•
	0	0	•
TrqOvlSta_HapticState_M_enum			
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	-
TrgOvISta LKAFault Cnt M lgc	0	0 ± 1	•
TrqOvISta_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	•
	4	4	
tgt_TrqOvlSta_Per1_APAState_State_enum.value			
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
rqOvlSta_APAState_State_M_enum	1
rqOvlSta_ESCState_State_M_enum	4
rqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	2224203
rqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	91133.6797
rqOvlSta_ElapsedStandstillTime_Sec_M_f32	430968
rqOvlSta_HapticState_State_M_enum	2
rqOvlSta_Hapticdur_Cnt_M_u16	45000
rqOvlSta_Haptictime_Sec_M_f32	228811.703
rqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-2.70000005
rqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.507000029
rqOvlSta_LKAFault_Cnt_M_lgc	0
rqOvlSta_LKAPermFault_Cnt_M_lgc	0
rqOvlSta_LKAPermFault_Cnt_M_u08	2
rqOvlSta_LKAState_State_M_enum	2
rqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	49.4000015
rqOvlSta_ReadytoPulse_Cnt_M_lgc	0
_APAIncludeHaptic_Cnt_lgc	1
	0.298999995
APAMaxHwTrg HwNm f32	9.27999973
 _APAMaxVehSpd_Kph_f32	208.800003
ESCMaxVehSpd Kph f32	30.3999996
	0.460000008
HapticDuration Sec f32	1.74000001
	59.0299988
	1.85599995
KAMaxVehSpd_Kph_f32	20
LKAMinVehSpd Kph f32	203
MaxHapticReqTime_Sec_f32	0.239999995
_SWARLimiter_HwDeg_f32	21.3999996
_ShiftLevRevTime_Sec_f32	0.0610000007
_StandstillThresh_Kph_f32	4.63999987
	0.0610000007
StandstillTime_Sec_f32	-6.3499999
gt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_Igu	
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_Igc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_Igc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
pt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESClsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESClsLimited_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
t_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
pt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
gt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
J # # 15 15 6 6 1 6 1	10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1





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_Hw[Deg_f32		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngReques	st_HwDeg_f32		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse	tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_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 TrgOvlSta Per1 ESCIsLimited Cnt Igc.value	1			
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1			
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1			
tgt TrgOvlSta Per1 GMOSH ESCMfgEnable Cnt Igc.value	1			
tgt TrqOvlSta Per1 GMOSH LKAMfgEnable Cnt Igc.value	1			
tgt_TrqOvISta_Per1_HapticRequest_Cnt_lgc.value	0			
tgt_TrqOvISta_Per1_HwTorque_HwNm_f32.value	-8.60000038			
tgt_TrqOvlSta_Per1_LKAFault_Cnt_Igc.value	1			
tgt TrqOvlSta Per1 LKAInhibit Cnt Igc.value	0			
	0			
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	103			
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value				
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_Igc.value	0	1=	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	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 Igc.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_TrqOviSta_Per1_TrqOscAmp_MtrNm_f32.value	0.460000008	0.460000008 ± 0.0009765625		
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	•	
3111 o4000=	-			

Test Step Call Trace				V
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 TrgOvlSta Per1 CP1 CheckpointReached	1	Rte Call TrgOvlSta Per1 CP1 CheckpointReached	1	_

59.0299988

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

tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value

59.0299988 ± 0.0009765625

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4	
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
TrgOvISta LKAPermFault Cnt M u08	0
TrqOvlSta_LKAState_State_M_enum	0
TrgOvlSta 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
	0.648000002
k_HapticDuration_Sec_f32	1.62
k_HapticFreq Hz f22	3
k_HapticFreq_Hz_f32	
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_Per1_APADrvrInterventionDetected_Cnt_lgraderics and the properties of the $	c 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_Igc	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_ESClsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESClsLimited_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_TrqOvISta_Per1_PosServEnable_Cnt_Igc
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_TrqOvISta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_PosTrajHwAngle_HwDeg_f32	tgt TrqOvISta Per1 PosTrajEnable_Crit_igc
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_PosTrajnwArigle_nwbeg_is2 tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvIsta_Per1_PostrajnwAngle_nwDeg_is2 tgt_TrqOvIsta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_ShiftLeverIsInReverse_Cnt_Igc	tgt_TrqOvISta_Per1_ShiftLeverIsInReverse_Cnt_Igc
	1
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_Igc	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_Igc.value	
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

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Name	Input Value		
tgt_TrqOvlSta_Per1_ESClsLimited_Cnt_lgc.value	1		
tgt TrgOvlSta Per1 ESCRequest Cnt Igc.value	1		
tgt TrqOvlSta Per1 GMOSH APAMfgEnable Cnt Igc.value	1		
tgt TrqOvlSta Per1 GMOSH ESCMfgEnable Cnt lgc.value	1		
tgt TrqOvlSta Per1 GMOSH LKAMfgEnable Cnt Igc.value	1		
tgt TrqOvlSta Per1 HapticRequest Cnt Igc.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	0.40000006		
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_ShiftLeverlsInReverse_Cnt_Igc.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				V
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

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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 -5.30000019
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_Igc	
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_Igc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 APARequest Cnt Igc	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_ESClsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESClsLimited_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_TrqOvISta.TrqOvISta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_Igc	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_Igc	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_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32 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_ShiftLeverlsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc
tgt Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 TrgOscAmp 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_ESClsLimited_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 4
tgt_TrqOvISta_Per1_LKAFault_Cnt_lgc.value	1 0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0
tgt_frqOviSta_Peri_LKARequest_Cnt_igc.value tgt_TrqOviSta_Peri_LKARequest_Cnt_igc.value tgt_TrqOviSta_Peri_LKARequest_Cnt_igc.value	123.599998
tgt_TrqOvIsta_Per1_MinSecureVehicleSpeed_Kph_f32.value	195.699997
tgt_TrqOvISta_Per1_PosTrajEnable_Cnt_Igc.value	0
tgt_TrqOvISta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.159999996
tgt_TrqOvISta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	27.700008
0_	

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Name	Input Value		
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0		
Name	Actual Value	Expected Value	Result
TrqOvlSta APAState State M enum	4	4	- Ttoouit
TrqOvISta ESCState State M enum	4	4	_
TrgOvlSta ElapsedAPAMaxHwTrgTime Sec M f32	0	0 ± 1	
TrqOvlSta ElapsedShiftLevRevTime Sec M f32	0	0 ± 1	V
TrqOvlSta ElapsedStandstillTime Sec M f32	0	0 ± 1	
TrqOvlSta HapticState State M enum	2	2	~
TrgOvlSta 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	
TrqOvISta LKAFault Cnt M Igc	1	1 ± 1	V
TrgOvISta LKAPermFault Cnt M lgc	0	0 ± 1	~
TrqOvISta 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				V
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

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TrqOvlSta_Per1



Name	Input Value		
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-5.1500001		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_Igo	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc		
	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.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_TrqOvISta.TrqOvISta_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_f3	2	
tgt Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 CWFound Cnt Igc	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_ESClsLimited_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_S	tate enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable		
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_Igc	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		
		_rtpii_132	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDe	g_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	ı f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_l	_	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_C	nt_igc	
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		
	0		
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value			
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 Igc.value	1		
tgt TrgOvlSta Per1 CWPosition HwDeg f32.value	883.640015		
	1		
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value			
tgt_TrqOvlSta_Per1_ESClsLimited_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 Igc.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_ShiftLeverlsInReverse_Cnt_Igc.value	1		
			1_
Name		Expected Value	Result
TrqOvlSta_APAState_State_M_enum	2	2	
TrqOvlSta_ESCState_State_M_enum	3	3	✓
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32		0 ± 1	_
TrqOvISta_ElapsedShiftLevRevTime_Sec_M_f32		84736.2422 ± 1	-
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32		0 ± 1	
TrqOvlSta_HapticState_State_M_enum	1	1	•
TrqOvlSta_Hapticdur_Cnt_M_u16	33000	33000 ± 1	-
TrqOvlSta_Haptictime_Sec_M_f32		0 ± 1	•
TrqOvISta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32		-4.80000019 ± 0.000009	
TrqOvlSta_LKAFault_Cnt_M_lgc		1 ± 1	Y
TrqOvlSta_LKAPermFault_Cnt_M_lgc		0 ± 1	~
TrqOvlSta_LKAPermFault_Cnt_M_u08	3	3 ± 1	✓
TrgOvISta LKAState State M enum	0	0	₩

 $TrqOvlSta_LKAState_State_M_enum$

0

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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				V
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	~

est Step 2.108 (Repeat Count = 1)	Input Value
	•
te_Call_Ap_TrqOvlSta_FaultInjection_SCom_FitInjection(SignalPath_UIs_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FitInjection_Sign
te_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
rqOvISta_APAState_State_M_enum	1
rqOvISta_ESCState_State_M_enum	3
rqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	860.26001
rqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	860.26001
rqOvlSta_ElapsedStandstillTime_Sec_M_f32	860.26001
rqOvlSta_HapticState_State_M_enum	0
rqOvlSta_Hapticdur_Cnt_M_u16	35000
rqOvlSta_Haptictime_Sec_M_f32	860.26001
rqOvlSta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32	-4.4499981
rqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.451999992
rqOvlSta_LKAFault_Cnt_M_lgc	0
rqOvlSta_LKAPermFault_Cnt_M_lgc	0
rqOvlSta_LKAPermFault_Cnt_M_u08	0
rqOvlSta_LKAState_State_M_enum	0
rqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	62
rqOvlSta_ReadytoPulse_Cnt_M_lgc	0
_APAIncludeHaptic_Cnt_lgc	1
_APAMaxHwTrqTime_Sec_f32	0.398000002
_APAMaxHwTrq_HwNm_f32	0.100000001
_APAMaxVehSpd_Kph_f32	199.800003
_ESCMaxVehSpd_Kph_f32	63.7000008
_HapticAmplitude_MtrNm_f32	0.119999997
_HapticDuration_Sec_f32	1.66499996
_HapticFreq_Hz_f32	3.5
HapticReacttime_Sec_f32	0.159999996
LKAMaxVehSpd_Kph_f32	0
LKAMinVehSpd_Kph_f32	0.40000006
MaxHapticReqTime_Sec_f32	0.165000007
SWARLimiter HwDeg f32	24.1000004
ShiftLevRevTime_Sec_f32	0.0379999988
StandstillThresh_Kph_f32	4.4400006
StandstillTime Sec f32	0.0209999997
t_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-5
t Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 APADrvrInterventionDetected Cnt Ic	· ·
t_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
t_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_Igc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
t_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Per1_APARequest_Cnt_lgc	tgt TrgOvlSta Per1 APARequest Cnt Igc
t Rte Inst Ap TrqOvISta.TrqOvISta Per1 APAState State enum	tgt TrgOvlSta Per1 APAState State enum
t_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
t_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
t Rte Inst Ap TrqOvISta.TrqOvISta Per1 CWFound Cnt Igc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
t_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_Igc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
t_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_Igc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_Igc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
t_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum

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Name	Input Value		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnab	ole_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_Igc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnab	,	
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_MaxSecureVehicleSpe	ed_Kph_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpee	ed_Kph_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lg	gc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt TrqOvlSta Per1 PosSrvoHwAngle HwI	Deg f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lg		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwD		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngReques	t_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_	_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f3	32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc		
tgt Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 TrgOscFreg 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		
	0		
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value			
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	888.580017		
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0		
tgt_TrqOvlSta_Per1_ESClsLimited_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		
	0		
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value			
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_ShiftLeverlsInReverse_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	-
TrgOviSta LKAPermFault Cnt M u08	0	0 ± 1	•
	4	4	
TrqOvlSta_LKAState_State_M_enum			
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	-
	4		
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	-
			-
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value tgt_TrqOvlSta_Per1_LKAState_State_enum.value tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0 4	0 4 0±1	•
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value tgt_TrqOvlSta_Per1_LKAState_State_enum.value tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0 4 0 62	0 4 0±1 62±0.0009765625	0
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value tgt_TrqOvlSta_Per1_LKAState_State_enum.value tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0 4 0 62 0.119999997	0 4 0±1 62±0.0009765625 0.119999997±0.0009765625	
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value tgt_TrqOvlSta_Per1_LKAState_State_enum.value tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0 4 0 62	0 4 0±1 62±0.0009765625	0



Test Step Call Trace				V
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 TrgOvlSta Per1 CP1 CheckpointReached	1	Rte Call TrqOvlSta Per1 CP1 CheckpointReached	1	~

Fest Step 2.109 (Repeat Count = 1)	Input Value
tte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FitInjection_Sign
tte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
rqOvISta_APAState_State_M_enum	1 4
rqOvISta_ESCState_State_M_enum	1345
rqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	
rqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	1345
rqOvlSta_ElapsedStandstillTime_Sec_M_f32	1345
rqOvlSta_HapticState_State_M_enum	1
rqOvlSta_Hapticdur_Cnt_M_u16	37000
rqOvlSta_Haptictime_Sec_M_f32	1345
rqOvlSta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32	-4.0999999
rqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.463
rqOvISta_LKAFault_Cnt_M_lgc	1
rqOvISta_LKAPermFault_Cnt_M_lgc	1
rqOvISta_LKAPermFault_Cnt_M_u08	1
rqOvlSta_LKAState_State_M_enum	1
rqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	63.4000015
rqOvISta_ReadytoPulse_Cnt_M_lgc	1
_APAIncludeHaptic_Cnt_lgc	0
_APAMaxHwTrqTime_Sec_f32	0.409000009
_APAMaxHwTrq_HwNm_f32	0.0799999982
_APAMaxVehSpd_Kph_f32	201.600006
_ESCMaxVehSpd_Kph_f32	67.4000015
_HapticAmplitude_MtrNm_f32	0.140000001
_HapticDuration_Sec_f32	1.67999995
_HapticFreq_Hz_f32	4.19999981
_HapticReacttime_Sec_f32	0.0160000008
_LKAMaxVehSpd_Kph_f32	1.8999998
_LKAMinVehSpd_Kph_f32	1.75
_MaxHapticReqTime_Sec_f32	0.180000007
_SWARLimiter_HwDeg_f32	24.3999996
_ShiftLevRevTime_Sec_f32	0.039000008
_StandstillThresh_Kph_f32	4.48000002
_StandstillTime_Sec_f32	0.0250000004
pt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-4.8499999
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_Igc	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESClsLimited_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
pt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
pt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOviSta_Per1_LKAFault_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
pt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
pt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
t_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt TrgOvlSta Per1 PosSrvoHwAngle HwDeg f32



TrqOvlSta_Per1

Name	Input Value		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lg		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwD		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngReques		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse	_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f3	32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgd		
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_ESClsLimited_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_Igc.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	~
TrqOvISta_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	Y
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 0.189999998 ± 0.0009765625	
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.189999998		
tgt_TrqOvlSta_Per1_TrqOscEnable_Cat_los value	0.140000001	0.140000001 ± 0.0009765625	
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	U	0 ± 1	· ·

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 TrgOvlSta Per1 CP1 CheckpointReached	1	Rte Call TrgOvlSta Per1 CP1 CheckpointReached	1	_

4.19999981

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

 $tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value$

4.19999981 ± 0.0009765625

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Name	Input Value
	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
,	0
	0
	2
,	2
	64.8000031
, ,	1
_	0.419999987
	0.159999996
	203.399994
	71.099985
	0.159999996
	1.69500005
	4.900001
	0.0320000015
	3.7999995
	3.5
k_MaxHapticReqTime_Sec_f32	0.194999993
k_SWARLimiter_HwDeg_f32	24.7000008
k_ShiftLevRevTime_Sec_f32	0.039999991
k_StandstillThresh_Kph_f32	4.51999998
k_StandstillTime_Sec_f32	0.0289999992
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-4.69999981
	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
	tgt_TrqOvlSta_Per1_APAState_State_enum
	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32 tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
	tgt_rrqOvlSta_ren_cwnound_on_gc
	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
	tgt_TrqOviSta_Per1_ESCRequest_Cnt_lgc
	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_Igc	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_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32 tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
	tgi_frqovista_rei1_frqoscried_nz_isz 0
	0
.gqca o, /cooverable: data_ont_igo.value	0
tot TrgOvISta Per1 APARequest Cnt loc.value	
0_ 1 0	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	0 -827.01001

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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_ShiftLeverlsInReverse_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				V
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		

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<u> </u>	
Name	Input Value
k_APAMaxHwTrqTime_Sec_f32	0.430999994
k_APAMaxHwTrq_HwNm_f32	0.23999995
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 tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	0.0329999998 -4.55000019
tgt_Rte_Inst_Ap_TrqOvlSta_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_Igc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_Igc
tgt Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 APARequest Cnt Igc	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_ESClsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESClsLimited_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_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_Igc
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_Igc	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_Igc	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_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32 tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 PosServEnable Cnt Igc	tgt_TrqOvISta_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_Igc
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_ShiftLeverlsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_Igc
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	
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_TrqOvISta_Per1_HapticRequest_Cnt_Igc.value	1 -7.5
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	-7.5 1
tgt_frqOviSta_Peri_LKAFauit_Cnt_lgc.value tgt_frqOviSta_Peri_LKAInhibit_Cnt_lgc.value	1
tgt_TrqOvIsta_Per1_LKARequest_Cnt_lgc.value	1
tgt TrqOvlSta Per1 MaxSecureVehicleSpeed Kph f32.value	190.600006
tgt_TrqOvISta_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_ShiftLeverlsInReverse_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	0.31999993
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

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TrqOvlSta_Per1



Name	Input Value		
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-4.4000001		
$tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgovernormal and the property of th$	tgt_TrqOvlSta_Per1_APADrvrInterventionDe	tected_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFa	aults_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_f3	2	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESClsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESClsLimited_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_APAMfgEnab		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnab	le_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnabl	e_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_MaxSecureVehicleSpee		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpee	d_Kph_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lg	С	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwD	eg_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_HwDe	eg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest	_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_	Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f3	2	
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_ShiftLeverlsInReverse_Cnt_lgc.value	0	l=	
Name	Actual Value	Expected Value	Result
TrqOvISta_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_UIs_f32	-3.04999995	-3.04999995 ± 0.000009	•
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32 TrqOvlSta_LKAFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_lgc			

TrqOvlSta_LKAPermFault_Cnt_M_u08

TrqOvlSta_LKAState_State_M_enum

4 ± 1

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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	~

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_TrqOvISta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvISta_APAState_State_M_enum	1
FrqOvlSta_ESCState_State_M_enum	3
FrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	3285.03003
FrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	3285.03003
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	3285.03003
FrqOvISta_HapticState_State_M_enum	2
FrqOvlSta_Hapticdur_Cnt_M_u16	45000
FrqOvlSta_Haptictime_Sec_M_f32	3285.03003
rqOvlSta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32	-2.70000005
rqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.507000029
rqOvlSta_LKAFault_Cnt_M_lgc	1
rqOvlSta_LKAPermFault_Cnt_M_lgc	1
rqOvlSta_LKAPermFault_Cnt_M_u08	0
rqOvlSta_LKAState_State_M_enum	0
rqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	69
rqOvlSta_ReadytoPulse_Cnt_M_lgc	1
_APAIncludeHaptic_Cnt_lgc	0
:_APAMaxHwTrqTime_Sec_f32	0.453000009
_APAMaxHwTrq_HwNm_f32	0.400000006
_APAMaxVehSpd_Kph_f32	208.800003
_ESCMaxVehSpd_Kph_f32	82.1999969
_HapticAmplitude_MtrNm_f32	0.219999999
_HapticDuration_Sec_f32	1.74000001
_HapticFreq_Hz_f32	7
HapticReacttime Sec f32	0.079999982
_LKAMaxVehSpd_Kph_f32	9.5
	8.75
	0.239999995
SWARLimiter HwDeg f32	25.6000004
	0.0430000015
	4.63999987
StandstillTime Sec f32	0.0410000011
gt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-4.25
gt Rte Inst Ap TrqOvISta.TrqOvISta Per1 APADrvrInterventionDetected Cnt I	-
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_Igc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
gt Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 APARequest Cnt Igc	tgt TrqOvlSta Per1 APARequest Cnt Igc
gt Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 APAState State enum	tgt TrqOvlSta Per1 APAState State enum
gt_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
gt_Rte_inst_Ap_indovista.indovista_rein_cownosition_nwbeg_is2 gt_Rte_inst_Ap_indovista.TrqOviSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_Igc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_ESCState_State_enum gt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum tgt_TrqOvlSta_Per1_GMOSHOscillateState_state_enum

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Name	Input Value		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEna	ble Cnt lac	
tgt Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 GMOSH ESCMfgEnable Cnt Igc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEna		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEna		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lg		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f3:	2	
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_enur	n	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSp		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpe		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_Hw		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lg		
tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_Hwl		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32 tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse		
tgt_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOviSta_Per1_TrqOscAmp_MtrNm_f		
tgt Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 TrqOscEnable Cnt Igc	tgt TrqOvlSta Per1 TrqOscEnable Cnt lg		
tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32	,	
tgt TrqOvlSta Per1 APANonRecoverableFaults Cnt Igc.value	1		
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_Igc.value	1		
tgt_TrqOvISta_Per1_APARequest_Cnt_lgc.value	1		
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1		
tgt TrgOvlSta Per1 CCWPosition HwDeg f32.value	-796.710022		
tgt_TrqOvISta_Per1_CWFound_Cnt_Igc.value	1		
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	913.280029		
tgt TrqOvlSta Per1 ESCFault Cnt Igc.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_Igc.value	1	1=	1
Name	Actual Value	Expected Value	Result
TrqOvISta_APAState_State_M_enum	3	3	V
TrqOvlSta_ESCState_State_M_enum	3	3	- J
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0 3285.03003	0 ± 1	-
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	3285.03003 ± 1 0 ± 1	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32 TrqOvlSta_HapticState_State_M_enum	2	2	-
TrgOvISta Hapticdur Cnt M u16	45000	45000 ± 1	
TrgOvlSta Haptictime Sec M f32	3285.03003	3285.03003 ± 1	-
TrqOvISta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32	-2.7000005	-2.7000005 ± 0.000009	
TrqOviSta LKAFault Cnt M lgc	1	1 ± 1	✓
TrqOvISta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	_
TrqOvlSta LKAPermFault Cnt M u08	0	0 ± 1	✓
TrqOvlSta_LKAState_State_M_enum	3	3	_
TrqOvISta_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	•
Ant Torondote Book Torono Fundale Ont Incombine			
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	7	0 ± 1	*



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 TrgOvlSta Per1 CP1 CheckpointReached	1	Rte Call TrgOvlSta 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
rqOvlSta_APAState_State_M_enum	1
rqOvlSta_ESCState_State_M_enum	4
rqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	3770.09009
rqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	3770.09009
rqOvlSta_ElapsedStandstillTime_Sec_M_f32	3770.09009
rqOvlSta_HapticState_State_M_enum	0
rqOvlSta_Hapticdur_Cnt_M_u16	47000
rqOvlSta_Haptictime_Sec_M_f32	3770.09009
rqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-2.3499999
rqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.518000007
FrqOvlSta_LKAFault_Cnt_M_lgc	0
FrqOvISta_LKAPermFault_Cnt_M_lgc	0
rqOvlSta_LKAPermFault_Cnt_M_u08	1
rqOvlSta_LKAState_State_M_enum	1
rqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	70.4000015
rqOvlSta_ReadytoPulse_Cnt_M_lgc	0
_APAIncludeHaptic_Cnt_lgc	1
s_APAMaxHwTrqTime_Sec_f32	0.463999987
APAMaxHwTrg HwNm f32	0.47999989
APAMaxVehSpd_Kph_f32	210.600006
ESCMaxVehSpd Kph f32	85.9000015
tf32	0.23999995
	1.755
	7.69999981
_HapticReacttime_Sec_f32	0.0960000008
_LKAMaxVehSpd_Kph_f32	11.3999996
LKAMinVehSpd Kph f32	10.5
	0.254999995
_MaxHapticReqTime_Sec_f32	25.8999996
SWARLimiter_HwDeg_f32	0.043999998
_ShiftLevRevTime_Sec_f32	
_StandstillThresh_Kph_f32	4.67999983
StandstillTime_Sec_f32	0.0450000018
gt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-4.0999999
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_Ig	
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESClsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_state_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
pt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
pt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
gt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOviSta_Per1_PosServEnable_Cnt_lgc
	-gqo.a o oooo=aoio_oni_igo

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TrqOvlSta_Per1



Name	Input Value		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_I	gc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_Hw	Deg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngReque	st_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse	e_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_	32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_le	jc	
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 Igc.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_TrqOviSta_Per1_ESCFault_Cnt_lgc.value	0		
tgt TrqOvlSta Per1 ESCIsLimited Cnt Igc.value	0		
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	0		
tgt_TrqOviSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	0		
tgt TrqOvISta Per1 GMOSH ESCMfgEnable Cnt Igc.value	0		
tgt_TrqOvISta_Per1_GMOSH_LKAMfgEnable_Cnt_Igc.value	0		
tgt_TrqOvISta_Per1_HapticRequest_Cnt_lgc.value	0		
	-6.30000019		
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	0		
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	•		
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_ShiftLeverlsInReverse_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	•
TrqOvISta LKAPermFault Cnt M Igc	0	0 ± 1	•
TrqOvlSta_LKAPermFault_Cnt_M_u08	1	1 ± 1	•
TrqOvlSta_LKAState_State_M_enum	4	4	
TrgOvlSta PosSrvoHwAngle HwDeg M f32	70.4000015	70.4000015 ± 0.0009765625	•
TrgOvlSta ReadytoPulse Cnt M lgc	0	0 ± 1	
tgt TrqOvlSta Per1 APADrvrInterventionDetected Cnt Igc.value	1	1±1	
tgt_TrqOvISta_Per1_APAState_State_enum.value	4	4	
tgt_TrqOvISta_Per1_ESCState_State_enum.value	4	4	
tgt TrqOvISta Per1 GMOSHOscillateState State enum.value	0	0	
	4	4	
tgt_TrqOvlSta_Per1_LKAState_State_enum.value			Ĭ
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	•

Test Step Call Trace				V
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 TroOvISta Per1 CP1 CheckpointReached	1	Rte Call TrgOvISta Per1 CP1 ChecknointReached	1	-

7.69999981

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

tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value

7.69999981 ± 0.0009765625

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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 -2
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32 TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_UIs_f32	0.528999984
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32 TrqOvlSta_LKAFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1
TrqOvISta_LKAPermFault_Cnt_M_u08	2
TrqOvISta_LKAState_State_M_enum	2
TrgOvlSta 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	8.3999962
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 k_StandstillTime_Sec_f32	4.71999979 0.0489999987
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-3.95000005
tgt_Rte_Inst_Ap_TrqOviota_r autitinjection_000tin_r titinjection_01gtr tgt_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Per1_APADrvrInterventionDetected_Cnt_Igo	
tgt_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_Igc	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_ESClsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESClsLimited_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_Igc	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_TrqOvISta.TrqOvISta_Per1_GMOSH_LKAMfgEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_HapticRequest_Cnt_Igc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_Igc tgt TrqOvlSta Per1 HwTorque HwNm f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32 tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta Per1_LKAFault_Cnt_lgc	tgt_rrqovista_Per1_Hw1orque_Hwnm_tsz tgt_rrqoviSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_inst_Ap_rrqovista.rrqovista_Per1_LKAPatit_Cnt_igc tgt_Rte_inst_Ap_TrqoviSta.TrqoviSta_Per1_LKAInhibit_Cnt_igc	tgt_TrqOvISta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvIsta.TrqOvIsta_Per1_LKARequest_Cnt_Igc	tgt_TrqOvISta_Per1_LKARequest_Cnt_lgc
tgt Rte Inst Ap TrqOvISta.TrqOvISta Per1 LKAState State enum	tgt_TrqOvIsta_Per1_LKAState_State_enum
tgt Rte Inst Ap TrgOvlSta.TrgOvlSta 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_Igc	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_ShiftLeverlsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc
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_Igc.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
THE COURT OF STATE OF	
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	923.159973 1





Name	Input Value		
tgt_TrqOvlSta_Per1_ESClsLimited_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_ShiftLeverlsInReverse_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	~

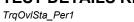
Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	✓
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached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

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Name k_APAMaxHwTrqTime_Sec_f32 k_APAMaxHwTrq HwNm f32	Input Value
	0.400000004
k APAMaxHwTrg HwNm f32	0.486000001
	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 0.0460000001
k_ShiftLevRevTime_Sec_f32 k_StandstillThresh_Kph_f32	4.76000023
k_StandstillTime_Sec_f32	0.0529999994
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-3.7999995
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_Igc	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 TrqOvISta.TrqOvISta Per1 APARequest Cnt Igc	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_ESClsLimited_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_Igc	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_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_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 TrqOvISta.TrqOvISta Per1 PosServEnable Cnt Igc	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_ShiftLeverlsInReverse_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_TrqOvISta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvISta_Per1_HwTorque_HwNm_f32.value	-5.5
tgt_TrqOvIsta_Per1_LKAFault_Cnt_lgc.value	-9.5
tgt_TrqOvISta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvISta_Per1_LKARequest_Cnt_lgc.value	0
tgt TrqOvlSta Per1 MaxSecureVehicleSpeed Kph f32.value	242.100006
IN TINOVISIA FELL MANSECULE VEHICLESDEEU KUIT 132 VAIDE	
tgt_TrqOvISta_Per1_MinSecureVehicleSpeed_Kph_f32.value	211.199997
	0
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	





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	0.30000012
k_HapticDuration_Sec_f32	1.7999995
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

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TrqOvlSta_Per1



Name	Input Value		
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-3.6500001		
$tgt_Rte_Inst_Ap_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_Igenerated and the property of the property o$	tgt_TrqOvlSta_Per1_APADrvrInterventionDe	tected_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableF	aults_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_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_	f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvISta_Per1_CWFound_Cnt_Igc	102	
tgt Rte Inst Ap TrqOvISta.TrqOvISta Per1 CWPosition HwDeg f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f3	32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESClsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESClsLimited_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		
$tgt_Rte_Inst_Ap_TrqOvlSta_Per1_GMOSHOscillateState_State_enum$	tgt_TrqOvlSta_Per1_GMOSHOscillateState_	_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnab		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnab		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnab		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_Igc	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_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOviSta_TrqOviSta_Per1_LKARequest_Cnt_Igc	tgt TrqOvISta Per1 LKARequest Cnt Igc		
tgt Rte Inst Ap TrgOvISta.TrgOvISta Per1 LKAState State enum	tgt_TrqOviSta_Per1_LKAState_State_enum		
tgt Rte Inst Ap TrqOvISta.TrqOvISta Per1 MaxSecureVehicleSpeed Kph f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpe	ed Kph f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpee		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lg		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_Hw[eg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lge	;	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwD	eg_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_Igc	tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_	Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f3		
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 tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1		
tgt_TrqOvlSta_Per1_APARecoverabler-autis_Crt_gc.value	1		
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1		
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-756.309998		
tgt TrqOvlSta Per1 CWFound Cnt Igc.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 tgt TrqOvlSta_Per1_LKAFault Cnt lgc.value	-5.0999999 1		
tgt_TrqOvlSta_Per1_LKAFauit_Cnt_igc.value tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_igc.value	1		
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1		
tgt TrgOvlSta 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_Igc.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	V
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	5225.33984	5225.33984 ± 1	V
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	V
TrqOvISta_HapticState_State_M_enum	0	0	· ·
TrqOvlSta_Hapticdur_Cnt_M_u16 TrqOvlSta_Haptictime_Sec_M_f32	53000 5225.33984	53000 ± 1 5225.33984 ± 1	-
TrqOvISta_Haptictime_Sec_M_132 TrqOvISta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32	-3.39380002	-3.39380002 ± 0.000009	
TrqOvISta_LKAFault_Cnt_M_lgc	1	1 ± 1	•
TrqOvISta_LKAPermFault_Cnt_M_lgc	1	1±1	~
TrqOvISta_LKAPermFault_Cnt_M_u08	4	4 ± 1	✓
TrgOvlSta LKAState State M enum	4	4	~

 $TrqOvlSta_LKAState_State_M_enum$





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				V
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	~

Input Value
tgt Rte Call Ap TrqOvlSta FaultInjection SCom FltInjection Sign
tgt_Rte_Inst_Ap_TrqOvlSta
0
3
5710.16992
5710.16992
5710.16992
1
55000
5710.16992
-0.949999988
0.561999977
0
0
0
0
76
0
1
0.508000016
0.800000012
217.800003
100.699997
0.319999993
1.81500006
10.5
0.159999996 19
17.5
•
0.31499998
27.1000004
0.0480000004
4.84000015
0.0610000007
-3.5
cc tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_TrqOvlSta_Per1_APAState_state_enum
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_TrqOvlSta_Per1_ESClsLimited_Cnt_lgc
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_TrqOvlSta_Per1_ESCState_State_enum

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Name	Input Value		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnal	ole_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnal	ble Cnt lac	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnab		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_Igc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lg		
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_MaxSecureVehicleSpe		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpe	ed_Kph_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lo	gc	
tgt Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 PosSrvoHwAngle HwDeg f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_Hwl	Deg f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lg		
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_SWARTrgtAngReques	t_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse	_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f3	32	
tgt Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 TrqOscEnable Cnt Igc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lg		
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_ESClsLimited_Cnt_lgc.value	0		
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	0		
	0		
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value			
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 Igc.value	0		
tgt TrqOvlSta Per1 PosTrajHwAngle HwDeg f32.value	0.180000007		
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	19		
tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc.value	0		
Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	
		4	
TrqOvlSta_ESCState_State_M_enum	4		
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	•
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	- - - -
TrgOvlSta ElapsedStandstillTime Sec M f32	0	0 ± 1	•
TrqOvlSta_HapticState_State_M_enum	1	1	•
TrqOvISta 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	•
TrqOvISta_LKAPermFault_Cnt_M_u08	0	0 ± 1	•
TrqOvISta_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	
	4	4	
tgt_TrqOvlSta_Per1_ESCState_State_enum.value			
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	•
	0.319999993	0.319999993 ± 0.0009765625	
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value			
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	1	1 ± 1	~
tet TraCulCto Dord TraCooFron Un 622 value	10.5	10.5 ± 0.0009765625	✓
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	10.5	10.0 2 0.00001 00020	



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)	Input Value
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_TrqOvISta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	1
FrqOvlSta_ESCState_State_M_enum	4
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	6195
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	6195
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	6195
FrqOvlSta_HapticState_State_M_enum	2
FrqOvlSta_Hapticdur_Cnt_M_u16	57000
TrqOvlSta_Haptictime_Sec_M_f32	6195
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32	-0.600000024
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.573000014
FrqOvlSta_LKAFault_Cnt_M_lgc	1
FrqOvISta_LKAPermFault_Cnt_M_lgc	1
FrqOvISta_LKAPermFault_Cnt_M_u08	1
FrqOvlSta_LKAState_State_M_enum	1
FrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	77.4000015
FrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
<_APAIncludeHaptic_Cnt_lgc	0
c_APAMaxHwTrqTime_Sec_f32	0.518999994
_APAMaxHwTrq_HwNm_f32	0.87999995
C_APAMaxVehSpd_Kph_f32	219.600006
c_ESCMaxVehSpd_Kph_f32	104.400002
C_HapticAmplitude_MtrNm_f32	0.340000004
_HapticDuration_Sec_f32	1.83000004
c_HapticFreq_Hz_f32	11.1999998
<pre>LapticReacttime_Sec_f32</pre>	0.175999999
c_LKAMaxVehSpd_Kph_f32	20.8999996
C LKAMinVehSpd Kph f32	19.25
 K_MaxHapticReqTime_Sec_f32	0.330000013
<pre>SWARLimiter_HwDeg_f32</pre>	27.399996
<pre>c_ShiftLevRevTime_Sec_f32</pre>	0.0489999987
<pre>c_StandstillThresh_Kph_f32</pre>	4.88000011
<pre>c_StandstillTime_Sec_f32</pre>	0.0649999976
gt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-3.3499999
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lg	
gt Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 APANonRecoverableFaults Cnt Igc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvIsta.TrqOvIsta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverabler autis_Ont_igc
gt Rte Inst Ap TrqOvISta.TrqOvISta Per1 APAState State enum	tgt TrqOvlSta Per1 APAState State enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_Igc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_Igc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_Igc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESClsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESClsLimited_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_Igc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32

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TrqOvlSta_Per1

TIQOVISIA_PELL			TARCITATO
Name	Input Value		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lg	С	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwD)eg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngReques	t_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse	_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f3		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lg		
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	5
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	~

est Step Call Trace				V
Actual Function Cour		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 TrgOvISta Per1 CP1 CheckpointReached	1	Rte Call TrgOvlSta Per1 CP1 CheckpointReached	1	_

11.1999998

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

 $tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value$

11.1999998 ± 0.0009765625

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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 0.200000003
k_APAMaxVehSpd_Kph_f32 k_ESCMaxVehSpd_Kph_f32	108,09998
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
$tgt_Rte_Inst_Ap_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgcolor=0.00000000000000000000000000000000000$	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOviSta_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_Igc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESClsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_Igc	tgt_TrqOvISta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum tgt_TrqOvlSta_Per1_GMOSHOscillateState_state_enum
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_GMOSH_APAMfgEnable_Cnt_Igc	tgt_TrqOvIsta_Per1_GMOSH_APAMfgEnable_Cnt_Igc
tgt_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvIsta_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_Igc	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_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_ShiftLeverlsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_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
	Link Link William David Trachactron Um 600
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32 tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32 tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32 tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0 0 0
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32 tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0 0 0 0
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32 tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	0 0 0 0 -726.01001
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32 tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	0 0 0 0 -726.01001
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32 tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	0 0 0 0 -726.01001

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Name Input Value	
tgt_TrqOvlSta_Per1_ESClsLimited_Cnt_lgc.value 0	
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value 0	
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_Igc.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_ShiftLeverlsInReverse_Cnt_lgc.value 0	
Name Actual Value Expected Value	Result
TrqOvlSta_APAState_State_M_enum 4	~
TrqOvlSta_ESCState_M_enum 4	✓
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 6679.83008 £ 1	✓
$\label{eq:total_total_total_total} TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32 \\ 0 \\ \pm 1$	✓
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32 6679.83008 £ 1	✓
TrqOvlSta_HapticState_M_enum 0 0	✓
TrqOvlSta_Hapticdur_Cnt_M_u16 59000 59000 ± 1	✓
$\label{eq:total_state} TrqOvlSta_Haptictime_Sec_M_f32 \qquad \qquad 0 \pm 1$	✓
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32 -2.38160014 -2.3815999 ± 0.000009	✓
$\label{eq:total_table_table} TrqOvlSta_LKAFault_Cnt_M_lgc \\ 0 \\ \pm 1$	✓
TrqOvlSta_LKAPermFault_Cnt_M_lgc 0 0 ± 1	✓
$\label{top:continuous} TrqOvlSta_LKAPermFault_Cnt_M_u08 \qquad \qquad 2 \qquad \qquad 2 \pm 1$	✓
TrqOvlSta_LKAState_State_M_enum 4	✓
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32 78.8000031 78.8000031 78.8000031	5625
$\label{eq:total_seady} TrqOvlSta_ReadytoPulse_Cnt_M_lgc \qquad \qquad 0 \qquad \qquad 0 \pm 1$	✓
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value 1 1 ± 1	✓
tgt_TrqOvlSta_Per1_APAState_State_enum.value 4	✓
tgt_TrqOvlSta_Per1_ESCState_state_enum.value 4	✓
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value 0	✓
tgt_TrqOvlSta_Per1_LKAState_enum.value 4	✓
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value 0 ± 1	✓
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value 78.8000031 78.8000031 ± 0.0009768	5625
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value 0.360000014 0.360000014 0.360000014	65625
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value 0 0 ± 1	✓
tgt TrgOvlSta Per1 TrgOscFreq Hz f32.value 11.8999996 11.8999996 11.8999996	5625

Test Step Call Trace				V
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			

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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_Igo	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_Igc	tgt TrqOviSta Per1 APARecoverableFaults Cnt Igc
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_TrqOvIsta_Per1_APAState_State_enum
tgt Rte Inst Ap TrqOvISta.TrqOvISta Per1 CCWFound Cnt Igc	tgt_TrqOvISta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_CWFound_Cnt_Igc	tgt_TrqOvISta_Per1_CWFound_Cnt_Igc
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_Igc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_Igc	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 TrgOvlSta 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 TrgOvlSta.TrgOvlSta 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 Igc
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_TrqOvIsta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_Igc	tgt TrqOvISta Per1 ShiftLeverIsInReverse Cnt Igc
tgt Rte Inst Ap TrqOvISta.TrqOvISta Per1 TrqOscAmp MtrNm f32	tgt TrqOvISta Per1 TrqOscAmp MtrNm f32
	1
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_Igc	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	
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_ESClsLimited_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_TrqOvISta_Per1_LKARequest_Cnt_lgc.value	1
	293.600006
tot Irot MSta Peri MaySecureVenicleSpeed Knn 137 Value	
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	262.700012
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	262.700012 1
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	262.700012





Name	Input Value		
tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc.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	0.44999988
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

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TrqOvlSta_Per1



Name	Input Value		
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-2.9000001		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_Igo		etected Cnt lac	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFa		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_Igc	tgt_TrqOvlSta_Per1_APARecoverableFaults		
tgt Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 APARequest Cnt Igc		_ont_ige	
	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_	132	
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_f3	32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESClsLimited_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	1	
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_APAMfgEnab	ole_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnab	ole_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnab		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt TrqOvlSta Per1 HapticRequest Cnt Igo		
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_TrqOviSta_Per1_LKAFault_Cnt_lgc		
	tgt_TrqOvISta_Per1_LKAFault_Crit_igc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc			
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_Igc	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_MaxSecureVehicleSpe	_ ' -	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpee	ed_Kph_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lg	ic	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwD	Deg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgd	c	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwD	eg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest	t_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f3		
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_Igc.value	0		
	0		
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value			
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_ESClsLimited_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_TrqOvISta_Per1_HwTorque_HwNm_f32.value	-3.0999999		
tgt_TrqOvISta_Per1_LKAFault_Cnt_lgc.value	0		
tgt_TrqOvISta_Per1_LKAInhibit_Cnt_lgc.value	0		
	0		
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value			
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_ShiftLeverlsInReverse_Cnt_Igc.value	0		
Name	Actual Value	Expected Value	Resul
TrqOvlSta_APAState_State_M_enum	4	4	
TrqOvISta_ESCState_State_M_enum	4	4	
TrqOvISta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	
TrqOvISta_ElapsedShiftLevRevTime_Sec_M_f32	0	0±1	
	0	0±1 0±1	
TrqOvISta_ElapsedStandstillTime_Sec_M_f32			
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	0.44999988	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	•
TrgOvlSta LKAState State M enum	4	4	

 $TrqOvlSta_LKAState_State_M_enum$





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	0.40000006	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				V
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 Igc	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	0.039999991
k StandstillTime Sec f32	0.00499999989
tgt Rte Call Ap TrqOvlSta FaultInjection SCom FltInjection Sign	-2.75
tgt Rte Inst Ap TrqOvISta.TrqOvISta Per1 APADrvrInterventionDetected Cnt Ig	c tqt TrgOvlSta Per1 APADrvrInterventionDetected Cnt lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt TrgOvlSta Per1 APANonRecoverableFaults Cnt Igc
tgt Rte Inst Ap TrqOviSta.TrqOviSta Per1 APARecoverableFaults Cnt Igc	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 TrgOvlSta.TrgOvlSta Per1 APAState State enum	tgt TrgOvlSta Per1 APAState State enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 CCWPosition HwDeg f32	tgt TrgOvlSta Per1 CCWPosition HwDeg f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_Igc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 CWPosition HwDeg f32	tgt TrgOvlSta Per1 CWPosition HwDeg f32
tgt Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 ESCFault Cnt Igc	tgt TrqOvlSta Per1 ESCFault Cnt lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_Igc	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 TrgOvlSta Per1 ESCState State enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_enum
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Name	Input Value		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEna	able Cnt lac	
tgt Rte Inst Ap TrqOvISta.TrqOvISta Per1 GMOSH ESCMfgEnable Cnt Igc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEna		
tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEna		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_Igc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_le		
tgt Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 HwTorque HwNm f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f3		
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_enur		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSp		
tgt Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 MinSecureVehicleSpeed Kph f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpe		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_Hw		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_le		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_Hwl		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngReque		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_t		
tgt Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 TrqOscEnable Cnt Igc	tgt TrqOvlSta Per1 TrqOscEnable Cnt lo		
		, c	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32 tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32		
	1		
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1		
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value			
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_ShiftLeverlsInReverse_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	•
TrqOvISta 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 TrgOvlSta Per1 APADrvrInterventionDetected Cnt Igc.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_TrqOviSta_Per1_TrqOscAmp_MtrNm_f32.value	0.419999987	0.419999987 ± 0.0009765625	
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0.413333337 ± 0.3003703023	
tgt_TrqOvISta_Per1_TrqOscFreq_Hz_f32.value	14	14 ± 0.0009765625	
191_1140 NO.EL_1 CI 1_1140301 TC4_112_102.Value	17	17 = 0.0000700020	



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 TrgOvlSta Per1 CP1 CheckpointReached	1	Rte Call TrgOvlSta Per1 CP1 CheckpointReached	1	~

Test Step 2.124 (Repeat Count = 1)	Innut Value
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_TrqOvISta	tgt_Rte_Inst_Ap_TrqOvlSta
FrqOvISta_APAState_State_M_enum	1
FrqOvISta_ESCState_State_M_enum	4
FrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	8619.15039
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	8619.15039
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	8619.15039
FrqOvlSta_HapticState_State_M_enum	1
FrqOvlSta_Hapticdur_Cnt_M_u16	2578
FrqOvlSta_Haptictime_Sec_M_f32	8619.15039
FrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	1.14999998
FrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.628000021
FrqOvlSta_LKAFault_Cnt_M_lgc	0
FrqOvISta_LKAPermFault_Cnt_M_lgc	0
FrqOvlSta_LKAPermFault_Cnt_M_u08	1
FrqOvISta_LKAState_State_M_enum	1
FrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	84.4000015
FrqOvlSta_ReadytoPulse_Cnt_M_lgc	0
_APAIncludeHaptic_Cnt_lgc	1
c_APAMaxHwTrqTime_Sec_f32	0.574000001
_APAMaxHwTrq_HwNm_f32	1.27999997
C_APAMaxVehSpd_Kph_f32	7.19999981
c_ESCMaxVehSpd_Kph_f32	122.900002
_HapticAmplitude_MtrNm_f32	0.43999998
_HapticDuration_Sec_f32	1.90499997
_HapticFreq_Hz_f32	14.6999998
c_HapticReacttime_Sec_f32	0.256000012
C_LKAMaxVehSpd_Kph_f32	30.3999996
K LKAMinVehSpd Kph f32	28
C_MaxHapticReqTime_Sec_f32	0.405000001
SWARLimiter_HwDeg_f32	28.8999996
<pre>c_ShiftLevRevTime_Sec_f32</pre>	0.0170000009
StandstillThresh_Kph_f32	0.079999982
c_StandstillTime_Sec_f32	0.00899999961
gt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-2.5999999
gt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_APADrvrInterventionDetected_Cnt_Igr	
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_Igc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOviSta_Per1_APARecoverableFaults_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvIsta.TrqOvIsta_Per1_APARequest_Cnt_lgc	tgt TrgOvlSta Per1 APARequest Cnt Igc
	tgt TrqOvlSta Per1 APAState State enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	· - ·
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_Igc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_Igc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_Igc	tgt_TrqOvlSta_Per1_ESClsLimited_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32

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TrqOvlSta_Per1



Name	Input Value		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lg	jc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwI		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32			
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f		
tgt Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 TrqOscEnable Cnt Igc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lg		
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 Igc.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_TrqOvISta_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_Igc.value	0		
Name	Actual Value	Expected Value	Result
	4	4	ixesuit
TrqOvISta_APAState_State_M_enum	4	4	
TrqOvISta_ESCState_State_M_enum TrrOvISta_ElacaddABAMaylkuTrrTime_Sea_M_622			
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1 0 ± 1	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	1	1	
TrqOvISta_HapticState_State_M_enum			
TrqOvlSta_Hapticdur_Cnt_M_u16	2578	2578 ± 1	
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_UIs_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	
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	✓
And Throught Bond FOOdbale Obstance	4	4	V
tgt_TrqOvlSta_Per1_ESCState_State_enum.value		1	✓
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	1		
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4	4	~
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value tgt_TrqOvlSta_Per1_LKAState_State_enum.value tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	4 0	4 0 ± 1	•
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value tgt_TrqOvlSta_Per1_LKAState_State_enum.value tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	4 0 84.4000015	4 0 ± 1 84.4000015 ± 0.0009765625	~
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value tgt_TrqOvlSta_Per1_LKAState_State_enum.value tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	4 0 84.4000015 0.439999998	4 0 ± 1 84.4000015 ± 0.0009765625 0.439999998 ± 0.0009765625	•
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value tgt_TrqOvlSta_Per1_LKAState_State_enum.value tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	4 0 84.4000015	4 0 ± 1 84.4000015 ± 0.0009765625	~

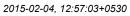
Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	~
Rte Call TrgOvlSta Per1 CP1 CheckpointReached	1	Rte Call TrgOvISta Per1 CP1 ChecknointReached	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
TrqOvISta_Haptictime_Sec_M_f32	9103.98047
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32	1.5
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_UIs_f32	0.638999999
TrqOvlSta_LKAFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_lgc	1
TrqOvISta_LKAPermFault_Cnt_M_u08	2
TrqOvISta_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	1.9199996
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_Igc	
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_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_CWFound_Cnt_Igc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt TrqOvISta Per1 CWPosition HwDeg f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt TrqOvlSta Per1 ESCFault Cnt lgc
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_ESCRequest_Cnt_Igc	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_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_Igc	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_Igc	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_Igc	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_Igc	tgt_TrqOvISta_Per1_ShiftLeverIsInReverse_Cnt_Igc
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvISta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_TrqOscEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32 tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_frqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value tgt_frqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARecoverableFaults_Ont_igc.value tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	-675.51001
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-675.51001
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	





Name	Input Value		
tgt_TrqOvlSta_Per1_ESClsLimited_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	0.20000003		
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	26.7000008		
tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_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	0.20000003	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	0.20000003	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				V
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

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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 Igc
tgt Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 APARequest Cnt Igc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt Rte Inst Ap TrqOvISta.TrqOvISta Per1 APAState State enum	tgt_TrqOvlSta_Per1_APAState_state_enum
tgt Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 CCWFound Cnt Igc	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_Igc	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_Igc	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_ShiftLeverlsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_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 TrgOvlSta Per1 TrgOscFreq 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
	-1.5
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	
tgt_IrqOviSta_Per1_HwTorque_HwNm_f32.value tgt_TrqOviSta_Per1_LKAFault_Cnt_lgc.value	0
	0
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	0 0 345.100006
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	0 0 345.100006 314.200012
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	0 0 345.100006 314.200012 0
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	0 0 345.100006 314.200012

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Name	Input Value		
tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_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				V
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	1.5199998
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	36.099985
k_LKAMinVehSpd_Kph_f32	33.25
k_MaxHapticReqTime_Sec_f32	0.44999988
k_SWARLimiter_HwDeg_f32	29.7999992
k_ShiftLevRevTime_Sec_f32	0.0289999992
k_StandstillThresh_Kph_f32	0.200000003
k_StandstillTime_Sec_f32	0.020999997

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TrqOvlSta_Per1



Name	Input Value		
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-2.1500001		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_Igo	tgt_TrqOvlSta_Per1_APADrvrInterventionDe	tected_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFa	aults_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 TrgOvlSta.TrgOvlSta Per1 CWFound Cnt Igc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f3	32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc		
tgt Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 ESCIsLimited Cnt Igc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc		
tgt Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 ESCReguest Cnt Igc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnab		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnab		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnab		
tgt Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 HapticRequest Cnt Igc	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_MaxSecureVehicleSpec		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpee		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lg		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwD		
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_HwDe		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f3		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscErtable_Ont_igc	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32		
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_Igc.value	1		
tgt_TrqOvISta_Per1_APARecoverableFaults_Cnt_Igc.value	1		
tgt_TrqOvISta_Per1_APARequest_Cnt_Igc.value	1		
tgt_TrqOvISta_Per1_CCWFound_Cnt_lgc.value	1		
tgt_TrqOvISta_Per1_CCWPosition_HwDeg_f32.value	-655.309998		
	1		
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	982.440002		
tgt_TrqOvISta_Per1_ESCFault_Cnt_Igc.value	1		
tgt_TrqOvISta_Per1_ESCIsLimited_Cnt_lgc.value	1		
tgt_TrqOvIsta_Per1_ESCRequest_Cnt_lgc.value	1		
tgt_TrqOvISta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1		
tgt TrqOvISta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1		
tgt_TrqOvIsta_Per1_GMOSH_ESCMigEnable_Crit_igc.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_Igc.value	1		
Name	Actual Value	Expected Value	Resul
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	•
TrqOviSta_LKAPermFault_Cnt_M_lgc	1	1±1	
Transcriptor LIVAD array Facility Onto No. 1900			

TrqOvlSta_LKAPermFault_Cnt_M_u08

TrqOvlSta_LKAState_State_M_enum

4 ± 1

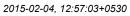
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Name	Actual Value	Expected Value	Result
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.100000001	0.100000001 ± 0.0009765625	~
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	•
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	•
tgt_TrqOvlSta_Per1_APAState_State_enum.value	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	~

Name	Input Value
	•
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_UIs_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FitInjection_Sign
Rte_Inst_Ap_TrqOvISta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvISta_APAState_State_M_enum	1
TrqOvlSta_ESCState_State_M_enum	3
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	10558.4697
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	10558.4697
FrqOvlSta_ElapsedStandstillTime_Sec_M_f32	10558.4697
FrqOvlSta_HapticState_State_M_enum	2
rqOvlSta_Hapticdur_Cnt_M_u16	6506
rqOvlSta_Haptictime_Sec_M_f32	10558.4697
FrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32	2.54999995
rqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.671999991
rqOvlSta_LKAFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
FrqOvlSta_LKAPermFault_Cnt_M_u08	0
FrqOvlSta_LKAState_State_M_enum	0
rqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	10.1999998
FrqOvlSta_ReadytoPulse_Cnt_M_lgc	0
_APAIncludeHaptic_Cnt_lgc	1
C_APAMaxHwTrqTime_Sec_f32	0.617999971
_APAMaxHwTrq_HwNm_f32	1.60000002
_APAMaxVehSpd_Kph_f32	14.3999996
ESCMaxVehSpd Kph f32	137.699997
	0.519999981
HapticDuration Sec f32	1.96500003
 :_HapticFreq_Hz_f32	17.5
	0.319999993
LKAMaxVehSpd Kph f32	38
LKAMinVehSpd Kph f32	35
	0.465000004
SWARLimiter HwDeg f32	30.1000004
ShiftLevRevTime_Sec_f32	0.032999998
C_StandstillThresh_Kph_f32	0.239999995
S Standstill Time Sec f32	0.0250000004
gt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-1.70000005
gt_Rte_Call_Ap_11qOviSta_Faultilijection_Scoll_Fittilijection_Sign gt_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Per1_APADrvrInterventionDetected_Cnt_lc	
gt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_APADIVITItetventionDetected_Cnt_lgc gt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APADrVifilierveritionDetected_Cnt_lgc tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
gt_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Fet1_APARecoverableFaults_Cnt_Igc gt_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Per1_APARecoverableFaults_Cnt_Igc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_Igc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
gt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_CCWFound_Cnt_Igc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_Igc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESClsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
gt_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_APAMfgEnab	le Cnt Igc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnab		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnab		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgd		
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_Igc	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 MaxSecureVehicleSpec		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpee	d_Kph_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lg	c	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwD	0eg_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_HwDe	eg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest	_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_	Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f3	2	
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 Igc.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_ESClsLimited_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		
32 40 002 0 2 000 000	-		
tat TraOvlSta Per1 HwTorque HwNm f32.value	-0.699999988		
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value tot_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	-0.699999988		
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	-0.699999988 0 0		
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0		
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	0		
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	0 0 0		
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	0 0 0 365.700012 334.799988		
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	0 0 0 365.700012 334.799988 0		
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0 0 0 365.700012 334.799988 0 0.109999999		
tgt_TrqOvISta_Per1_LKAFault_Cnt_lgc.value tgt_TrqOvISta_Per1_LKAInhibit_Cnt_lgc.value tgt_TrqOvISta_Per1_LKARequest_Cnt_lgc.value tgt_TrqOvISta_Per1_LKARequest_Cnt_lgc.value tgt_TrqOvISta_Per1_MaxSecureVehicleSpeed_Kph_f32.value tgt_TrqOvISta_Per1_MinSecureVehicleSpeed_Kph_f32.value tgt_TrqOvISta_Per1_PosTrajEnable_Cnt_lgc.value tgt_TrqOvISta_Per1_PosTrajHwAngle_HwDeg_f32.value tgt_TrqOvISta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	0 0 0 365.700012 334.799988 0		
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value	0 0 0 365.700012 334.799988 0 0.109999999 34.5	Evnected Value	Racult
tgt_TrqOvISta_Per1_LKAFault_Cnt_Igc.value tgt_TrqOvISta_Per1_LKAInhibit_Cnt_Igc.value tgt_TrqOvISta_Per1_LKARequest_Cnt_Igc.value tgt_TrqOvISta_Per1_LKARequest_Cnt_Igc.value tgt_TrqOvISta_Per1_MaxSecureVehicleSpeed_Kph_f32.value tgt_TrqOvISta_Per1_MinSecureVehicleSpeed_Kph_f32.value tgt_TrqOvISta_Per1_PosTrajEnable_Cnt_Igc.value tgt_TrqOvISta_Per1_PosTrajHwAngle_HwDeg_f32.value tgt_TrqOvISta_Per1_SWARTrgtAngRequest_HwDeg_f32.value tgt_TrqOvISta_Per1_ShiftLeverIsInReverse_Cnt_Igc.value Name	0 0 0 365.700012 334.799988 0 0.109999999 34.5 0 Actual Value	Expected Value	Result
tgt_TrqOvISta_Per1_LKAFault_Cnt_Igc.value tgt_TrqOvISta_Per1_LKAInhibit_Cnt_Igc.value tgt_TrqOvISta_Per1_LKARequest_Cnt_Igc.value tgt_TrqOvISta_Per1_MaxSecureVehicleSpeed_Kph_f32.value tgt_TrqOvISta_Per1_MinSecureVehicleSpeed_Kph_f32.value tgt_TrqOvISta_Per1_PosTrajEnable_Cnt_Igc.value tgt_TrqOvISta_Per1_PosTrajHwAngle_HwDeg_f32.value tgt_TrqOvISta_Per1_SWARTrgtAngRequest_HwDeg_f32.value tgt_TrqOvISta_Per1_ShiftLeverIsInReverse_Cnt_Igc.value Name TrqOvISta_APAState_State_M_enum	0 0 0 365.700012 334.799988 0 0.109999999 34.5 0 Actual Value	4	~
tgt_TrqOvISta_Per1_LKAFault_Cnt_Igc.value tgt_TrqOvISta_Per1_LKAInhibit_Cnt_Igc.value tgt_TrqOvISta_Per1_LKARequest_Cnt_Igc.value tgt_TrqOvISta_Per1_MaxSecureVehicleSpeed_Kph_f32.value tgt_TrqOvISta_Per1_MinSecureVehicleSpeed_Kph_f32.value tgt_TrqOvISta_Per1_PosTrajEnable_Cnt_Igc.value tgt_TrqOvISta_Per1_PosTrajHwAngle_HwDeg_f32.value tgt_TrqOvISta_Per1_SWARTrgtAngRequest_HwDeg_f32.value tgt_TrqOvISta_Per1_ShiftLeverIsInReverse_Cnt_Igc.value Name TrqOvISta_APAState_State_M_enum TrqOvISta_ESCState_State_M_enum	0 0 0 365.700012 334.799988 0 0.109999999 34.5 0 Actual Value 4	4	Result
tgt_TrqOvISta_Per1_LKAFault_Cnt_Igc.value tgt_TrqOvISta_Per1_LKAInhibit_Cnt_Igc.value tgt_TrqOvISta_Per1_LKARequest_Cnt_Igc.value tgt_TrqOvISta_Per1_LKARequest_Cnt_Igc.value tgt_TrqOvISta_Per1_MaxSecureVehicleSpeed_Kph_f32.value tgt_TrqOvISta_Per1_MinSecureVehicleSpeed_Kph_f32.value tgt_TrqOvISta_Per1_PosTrajEnable_Cnt_Igc.value tgt_TrqOvISta_Per1_PosTrajHwAngle_HwDeg_f32.value tgt_TrqOvISta_Per1_SWARTrgtAngRequest_HwDeg_f32.value tgt_TrqOvISta_Per1_ShiftLeverIsInReverse_Cnt_Igc.value Name TrqOvISta_APAState_State_M_enum TrqOvISta_ESCState_State_M_enum TrqOvISta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0 0 0 365.700012 334.799988 0 0.109999999 34.5 0 Actual Value 4	4 4 0±1	· ·
tgt_TrqOvISta_Per1_LKAFault_Cnt_Igc.value tgt_TrqOvISta_Per1_LKAInhibit_Cnt_Igc.value tgt_TrqOvISta_Per1_LKARequest_Cnt_Igc.value tgt_TrqOvISta_Per1_LKARequest_Cnt_Igc.value tgt_TrqOvISta_Per1_MaxSecureVehicleSpeed_Kph_f32.value tgt_TrqOvISta_Per1_MinSecureVehicleSpeed_Kph_f32.value tgt_TrqOvISta_Per1_PosTrajEnable_Cnt_Igc.value tgt_TrqOvISta_Per1_PosTrajHwAngle_HwDeg_f32.value tgt_TrqOvISta_Per1_SWARTrgtAngRequest_HwDeg_f32.value tgt_TrqOvISta_Per1_ShiftLeverIsInReverse_Cnt_Igc.value Name TrqOvISta_APAState_State_M_enum TrqOvISta_ESCState_State_M_enum TrqOvISta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 TrqOvISta_ElapsedShiftLevRevTime_Sec_M_f32	0 0 0 365.700012 334.799988 0 0.109999999 34.5 0 Actual Value 4 0 0	4 4 0 ± 1 0 ± 1	~
tgt_TrqOvISta_Per1_LKAFault_Cnt_Igc.value tgt_TrqOvISta_Per1_LKAInhibit_Cnt_Igc.value tgt_TrqOvISta_Per1_LKARequest_Cnt_Igc.value tgt_TrqOvISta_Per1_LKARequest_Cnt_Igc.value tgt_TrqOvISta_Per1_MaxSecureVehicleSpeed_Kph_f32.value tgt_TrqOvISta_Per1_MinSecureVehicleSpeed_Kph_f32.value tgt_TrqOvISta_Per1_PosTrajEnable_Cnt_Igc.value tgt_TrqOvISta_Per1_PosTrajHwAngle_HwDeg_f32.value tgt_TrqOvISta_Per1_SWARTrgtAngRequest_HwDeg_f32.value tgt_TrqOvISta_Per1_ShiftLeverIsInReverse_Cnt_Igc.value Name TrqOvISta_APAState_State_M_enum TrqOvISta_ESCState_State_M_enum TrqOvISta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 TrqOvISta_ElapsedStandstillTime_Sec_M_f32 TrqOvISta_ElapsedStandstillTime_Sec_M_f32	0 0 0 365.700012 334.799988 0 0.109999999 34.5 0 Actual Value 4 0 0	4 4 0 ± 1 0 ± 1 0 ± 1	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
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tgt_TrqOvISta_Per1_LKAFault_Cnt_Igc.value tgt_TrqOvISta_Per1_LKAInhibit_Cnt_Igc.value tgt_TrqOvISta_Per1_LKARequest_Cnt_Igc.value tgt_TrqOvISta_Per1_MaxSecureVehicleSpeed_Kph_f32.value tgt_TrqOvISta_Per1_MinSecureVehicleSpeed_Kph_f32.value tgt_TrqOvISta_Per1_PosTrajEnable_Cnt_Igc.value tgt_TrqOvISta_Per1_PosTrajHwAngle_HwDeg_f32.value tgt_TrqOvISta_Per1_SwARTrgtAngRequest_HwDeg_f32.value tgt_TrqOvISta_Per1_ShiftLeverIsInReverse_Cnt_Igc.value Name TrqOvISta_APAState_State_M_enum TrqOvISta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 TrqOvISta_ElapsedShiftLevRevTime_Sec_M_f32 TrqOvISta_ElapsedStandstillTime_Sec_M_f32 TrqOvISta_HapticState_State_M_enum TrqOvISta_HapticState_State_M_enum TrqOvISta_HapticState_State_M_enum	0 0 0 365.700012 334.799988 0 0.109999999 34.5 0 Actual Value 4 0 0 0 2 6506	4 4 0 ± 1 0 ± 1 0 ± 1 2 6506 ± 1	· · · · · · · · · · · · · · · · · · ·
tgt_TrqOvISta_Per1_LKAFault_Cnt_Igc.value tgt_TrqOvISta_Per1_LKAInhibit_Cnt_Igc.value tgt_TrqOvISta_Per1_LKARequest_Cnt_Igc.value tgt_TrqOvISta_Per1_MaxSecureVehicleSpeed_Kph_f32.value tgt_TrqOvISta_Per1_MinSecureVehicleSpeed_Kph_f32.value tgt_TrqOvISta_Per1_PosTrajEnable_Cnt_Igc.value tgt_TrqOvISta_Per1_PosTrajHwAngle_HwDeg_f32.value tgt_TrqOvISta_Per1_SwARTrgtAngRequest_HwDeg_f32.value tgt_TrqOvISta_Per1_ShiftLeverIsInReverse_Cnt_Igc.value Name TrqOvISta_APAState_State_M_enum TrqOvISta_ESCState_State_M_enum TrqOvISta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 TrqOvISta_ElapsedStandstillTime_Sec_M_f32 TrqOvISta_HapticState_State_M_enum TrqOvISta_HapticState_State_M_enum TrqOvISta_HapticState_State_M_enum TrqOvISta_HapticOt_Cnt_M_u16 TrqOvISta_Haptictime_Sec_M_f32	0 0 0 365.700012 334.799988 0 0.109999999 34.5 0 Actual Value 4 0 0 0 2 6506 0	4 4 0 ± 1 0 ± 1 0 ± 1 2 6506 ± 1 0 ± 1	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
tgt_TrqOvISta_Per1_LKAFault_Cnt_Igc.value tgt_TrqOvISta_Per1_LKAInhibit_Cnt_Igc.value tgt_TrqOvISta_Per1_LKARequest_Cnt_Igc.value tgt_TrqOvISta_Per1_LKARequest_Cnt_Igc.value tgt_TrqOvISta_Per1_MaxSecureVehicleSpeed_Kph_f32.value tgt_TrqOvISta_Per1_MinSecureVehicleSpeed_Kph_f32.value tgt_TrqOvISta_Per1_PosTrajEnable_Cnt_Igc.value tgt_TrqOvISta_Per1_PosTrajHwAngle_HwDeg_f32.value tgt_TrqOvISta_Per1_SWARTrgtAngRequest_HwDeg_f32.value tgt_TrqOvISta_Per1_ShiftLeverIsInReverse_Cnt_Igc.value Name TrqOvISta_APAState_State_M_enum TrqOvISta_ESCState_State_M_enum TrqOvISta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 TrqOvISta_ElapsedStandstillTime_Sec_M_f32 TrqOvISta_HapticState_State_M_enum TrqOvISta_HapticState_State_M_enum TrqOvISta_HapticUstate_State_M_enum TrqOvISta_HapticUsta	0 0 0 365.700012 334.799988 0 0.109999999 34.5 0 Actual Value 4 4 0 0 0 2 6506 0 2.54999995	4 4 0 ± 1 0 ± 1 0 ± 1 2 6506 ± 1 0 ± 1 2.549999995 ± 0.000009	· · · · · · · · · · · · · · · · · · ·
tgt_TrqOvISta_Per1_LKAFault_Cnt_Igc.value tgt_TrqOvISta_Per1_LKAInhibit_Cnt_Igc.value tgt_TrqOvISta_Per1_LKARequest_Cnt_Igc.value tgt_TrqOvISta_Per1_LKARequest_Cnt_Igc.value tgt_TrqOvISta_Per1_MaxSecureVehicleSpeed_Kph_f32.value tgt_TrqOvISta_Per1_MinSecureVehicleSpeed_Kph_f32.value tgt_TrqOvISta_Per1_PosTrajEnable_Cnt_Igc.value tgt_TrqOvISta_Per1_PosTrajHwAngle_HwDeg_f32.value tgt_TrqOvISta_Per1_SWARTrgtAngRequest_HwDeg_f32.value tgt_TrqOvISta_Per1_ShiftLeverIsInReverse_Cnt_Igc.value Name TrqOvISta_APAState_State_M_enum TrqOvISta_EsCState_State_M_enum TrqOvISta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 TrqOvISta_ElapsedShiftLevRevTime_Sec_M_f32 TrqOvISta_ElapsedStandstillTime_Sec_M_f32 TrqOvISta_HapticState_State_M_enum TrqOvISta_HapticState_State_M_enum TrqOvISta_HapticState_State_M_enum TrqOvISta_Haptictime_Sec_M_f32 TrqOvISta_Haptictime_Sec_M_f32 TrqOvISta_Haptictime_Sec_M_f32 TrqOvISta_Haptictime_Sec_M_f32 TrqOvISta_Haptictime_Sec_M_f32 TrqOvISta_LKAFault_Cnt_M_ufe	0 0 0 0 365.700012 334.799988 0 0.109999999 34.5 0 Actual Value 4 0 0 0 2 6506 0 2.54999995 0	4 4 0 ± 1 0 ± 1 0 ± 1 2 6506 ± 1 0 ± 1 2.549999995 ± 0.000009 0 ± 1	· · · · · · · · · · · · · · · · · · ·
tgt_TrqOvISta_Per1_LKAFault_Cnt_Igc.value tgt_TrqOvISta_Per1_LKAInhibit_Cnt_Igc.value tgt_TrqOvISta_Per1_LKARequest_Cnt_Igc.value tgt_TrqOvISta_Per1_LKARequest_Cnt_Igc.value tgt_TrqOvISta_Per1_MaxSecureVehicleSpeed_Kph_f32.value tgt_TrqOvISta_Per1_MinSecureVehicleSpeed_Kph_f32.value tgt_TrqOvISta_Per1_PosTrajEnable_Cnt_Igc.value tgt_TrqOvISta_Per1_PosTrajHwAngle_HwDeg_f32.value tgt_TrqOvISta_Per1_SWARTrgtAngRequest_HwDeg_f32.value tgt_TrqOvISta_Per1_ShiftLeverIsInReverse_Cnt_Igc.value Name TrqOvISta_APAState_State_M_enum TrqOvISta_EsCState_State_M_enum TrqOvISta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 TrqOvISta_ElapsedShindstillTime_Sec_M_f32 TrqOvISta_ElapsedStandstillTime_Sec_M_f32 TrqOvISta_HapticState_State_M_enum TrqOvISta_HapticState_State_M_enum TrqOvISta_Haptictime_Sec_M_f32 TrqOvISta_Haptictime_Sec_M_f32 TrqOvISta_Haptictime_Sec_M_f32 TrqOvISta_Haptictime_Sec_M_f32 TrqOvISta_Haptictime_Sec_M_f32 TrqOvISta_LKAFault_Cnt_M_lgc TrqOvISta_LKAFault_Cnt_M_lgc	0 0 0 0 365.700012 334.799988 0 0.109999999 34.5 0 Actual Value 4 4 0 0 0 0 2 6506 0 2.54999995 0 0	4 4 0 ± 1 0 ± 1 0 ± 1 2 6506 ± 1 0 ± 1 2.549999995 ± 0.000009 0 ± 1 0 ± 1	· · · · · · · · · · · · · · · · · · ·
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tgt_TrqOvISta_Per1_LKAFault_Cnt_lgc.value tgt_TrqOvISta_Per1_LKAInhibit_Cnt_lgc.value tgt_TrqOvISta_Per1_LKARequest_Cnt_lgc.value tgt_TrqOvISta_Per1_MaxSecureVehicleSpeed_Kph_f32.value tgt_TrqOvISta_Per1_MaxSecureVehicleSpeed_Kph_f32.value tgt_TrqOvISta_Per1_MinSecureVehicleSpeed_Kph_f32.value tgt_TrqOvISta_Per1_PosTrajEnable_Cnt_lgc.value tgt_TrqOvISta_Per1_PosTrajHwAngle_HwDeg_f32.value tgt_TrqOvISta_Per1_SWARTrgtAngRequest_HwDeg_f32.value tgt_TrqOvISta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value Name TrqOvISta_APAState_State_M_enum TrqOvISta_EScState_State_M_enum TrqOvISta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 TrqOvISta_ElapsedShiftLevRevTime_Sec_M_f32 TrqOvISta_ElapsedStandstillTime_Sec_M_f32 TrqOvISta_HapticState_State_M_enum TrqOvISta_HapticState_State_M_enum TrqOvISta_Hapticdur_Cnt_M_u16 TrqOvISta_Haptictime_Sec_M_f32 TrqOvISta_Haptictime_Sec_M_f32 TrqOvISta_Haptictime_Sec_M_f32 TrqOvISta_LKAFault_Cnt_M_lgc TrqOvISta_LKAPermFault_Cnt_M_lgc TrqOvISta_LKAPermFault_Cnt_M_lgc TrqOvISta_LKAPermFault_Cnt_M_lgc TrqOvISta_LKAState_State_M_enum TrqOvISta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvISta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvISta_Per1_APADrvrInterventionDetected_Cnt_lgc.value tgt_TrqOvISta_Per1_APAState_State_enum.value tgt_TrqOvISta_Per1_APAState_State_enum.value tgt_TrqOvISta_Per1_GMOSHOscillateState_State_enum.value tgt_TrqOvISta_Per1_LKAState_State_enum.value	0 0 0 0 0 365.700012 334.799988 0 0.109999999 34.5 0 Actual Value 4 4 0 0 0 2 6506 0 2.54999995 0 0 0 4 10.1999998 0 0 4 4 2 4 4 2	4 4 0 ± 1 0 ± 1 0 ± 1 2 6506 ± 1 0 ± 1 2.54999995 ± 0.000009 0 ± 1 0 ± 1 4 10.1999998 ± 0.0009765625 0 ± 1 0 ± 1 4 4 4 4 4 2 4	· · · · · · · · · · · · · · · · · · ·
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tgt_TrqOvISta_Per1_LKAFault_Cnt_lgc.value tgt_TrqOvISta_Per1_LKAInhibit_Cnt_lgc.value tgt_TrqOvISta_Per1_LKARequest_Cnt_lgc.value tgt_TrqOvISta_Per1_MaxSecureVehicleSpeed_Kph_f32.value tgt_TrqOvISta_Per1_MinSecureVehicleSpeed_Kph_f32.value tgt_TrqOvISta_Per1_PosTrajEnable_Cnt_lgc.value tgt_TrqOvISta_Per1_PosTrajHwAngle_HwDeg_f32.value tgt_TrqOvISta_Per1_PosTrajHwAngle_HwDeg_f32.value tgt_TrqOvISta_Per1_SWARTrgtAngRequest_HwDeg_f32.value tgt_TrqOvISta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value Name TrqOvISta_APAState_State_M_enum TrqOvISta_ESCState_State_M_enum TrqOvISta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 TrqOvISta_ElapsedShiftLevRevTime_Sec_M_f32 TrqOvISta_ElapsedStandstillTime_Sec_M_f32 TrqOvISta_HapticState_State_M_enum TrqOvISta_Hapticotur_Cnt_M_u16 TrqOvISta_Haptictime_Sec_M_f32 TrqOvISta_Haptictime_Sec_M_f32 TrqOvISta_Haptictime_Sec_M_f32 TrqOvISta_Haptictime_Sec_M_f32 TrqOvISta_LKAFault_Cnt_M_lgc TrqOvISta_LKAPermFault_Cnt_M_lgc TrqOvISta_LKAPermFault_Cnt_M_lgc TrqOvISta_LKAPermFault_Cnt_M_lgc TrqOvISta_LRAState_State_M_enum TrqOvISta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvISta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvISta_Per1_APADrvrInterventionDetected_Cnt_lgc.value tgt_TrqOvISta_Per1_APAState_State_enum.value tgt_TrqOvISta_Per1_APAState_State_enum.value tgt_TrqOvISta_Per1_APAState_State_enum.value tgt_TrqOvISta_Per1_APOvISta_LState_enum.value tgt_TrqOvISta_Per1_PosServEnable_Cnt_lgc.value tgt_TrqOvISta_Per1_PosServEnable_Cnt_lgc.value tgt_TrqOvISta_Per1_PosServEnable_Cnt_lgc.value tgt_TrqOvISta_Per1_PosServEnable_Cnt_lgc.value	0 0 0 0 0 365.700012 334.799988 0 0.109999999 34.5 0 Actual Value 4 4 0 0 0 2 6506 0 2.54999995 0 0 0 4 10.1999998 0 0 0 4 4 10.1999998	4 4 0 ± 1 0 ± 1 0 ± 1 2 ± 1 2 ± 1 2 ± 2 4 ± 1 0 ± 1 2 ± 3 ± 3 ± 3 ± 3 ± 3 ± 3 ± 3 ± 3 ± 3 ±	· · · · · · · · · · · · · · · · · · ·
tgt_TrqOvISta_Per1_LKAFault_Cnt_Igc.value tgt_TrqOvISta_Per1_LKAInhibit_Cnt_Igc.value tgt_TrqOvISta_Per1_LKARequest_Cnt_Igc.value tgt_TrqOvISta_Per1_MaxSecureVehicleSpeed_Kph_f32.value tgt_TrqOvISta_Per1_MinSecureVehicleSpeed_Kph_f32.value tgt_TrqOvISta_Per1_PosTrajEnable_Cnt_Igc.value tgt_TrqOvISta_Per1_PosTrajHwAngle_HwDeg_f32.value tgt_TrqOvISta_Per1_SWARTrgtAngRequest_HwDeg_f32.value tgt_TrqOvISta_Per1_ShiftLeverIsInReverse_Cnt_Igc.value Name TrqOvISta_APAState_State_M_enum TrqOvISta_ESCState_State_M_enum TrqOvISta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 TrqOvISta_ElapsedShiftLevRevTime_Sec_M_f32 TrqOvISta_ElapsedStandstillTime_Sec_M_f32 TrqOvISta_HapticState_State_M_enum TrqOvISta_HapticState_State_M_enum TrqOvISta_Haptictime_Sec_M_f32 TrqOvISta_Haptictime_Sec_M_f32 TrqOvISta_Haptictime_Sec_M_f32 TrqOvISta_LKAFault_Cnt_M_u16 TrqOvISta_LKAPermFault_Cnt_M_lgc TrqOvISta_LKAPermFault_Cnt_M_lgc TrqOvISta_LKAPermFault_Cnt_M_u08 TrqOvISta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvISta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvISta_Per1_APADrvrInterventionDetected_Cnt_Igc.value tgt_TrqOvISta_Per1_APAState_State_enum.value tgt_TrqOvISta_Per1_ESCState_State_enum.value tgt_TrqOvISta_Per1_ESCState_State_enum.value tgt_TrqOvISta_Per1_ESCState_State_enum.value tgt_TrqOvISta_Per1_ESCState_State_enum.value tgt_TrqOvISta_Per1_ESCState_State_enum.value tgt_TrqOvISta_Per1_DosSrvoHwAngle_HwDeg_f32.value tgt_TrqOvISta_Per1_PosSrvoHwAngle_HwDeg_f32.value tgt_TrqOvISta_Per1_TrqOscAmp_MtrNm_f32.value	0 0 0 0 365.700012 334.799988 0 0.109999999 34.5 0 Actual Value 4 4 0 0 0 0 2 6506 0 2.54999995 0 0 0 4 10.1999998 0 0 10.1999998 0 10.1999998	4 4 0 ± 1 0 ± 1 0 ± 1 0 ± 1 2 6506 ± 1 0 ± 1 2.54999995 ± 0.000009 0 ± 1 0 ± 1 4 10.1999998 ± 0.0009765625 0 ± 1 4 4 2 4 0 ± 1 10.1999998 ± 0.0009765625 0.519999981 ± 0.0009765625	· · · · · · · · · · · · · · · · · · ·
tgt_TrqOvISta_Per1_LKAFault_Cnt_lgc.value tgt_TrqOvISta_Per1_LKAInhibit_Cnt_lgc.value tgt_TrqOvISta_Per1_LKARequest_Cnt_lgc.value tgt_TrqOvISta_Per1_MaxSecureVehicleSpeed_Kph_f32.value tgt_TrqOvISta_Per1_MinSecureVehicleSpeed_Kph_f32.value tgt_TrqOvISta_Per1_PosTrajEnable_Cnt_lgc.value tgt_TrqOvISta_Per1_PosTrajHwAngle_HwDeg_f32.value tgt_TrqOvISta_Per1_PosTrajHwAngle_HwDeg_f32.value tgt_TrqOvISta_Per1_SWARTrgtAngRequest_HwDeg_f32.value tgt_TrqOvISta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value Name TrqOvISta_APAState_State_M_enum TrqOvISta_ESCState_State_M_enum TrqOvISta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 TrqOvISta_ElapsedShiftLevRevTime_Sec_M_f32 TrqOvISta_ElapsedStandstillTime_Sec_M_f32 TrqOvISta_HapticState_State_M_enum TrqOvISta_Hapticotur_Cnt_M_u16 TrqOvISta_Haptictime_Sec_M_f32 TrqOvISta_Haptictime_Sec_M_f32 TrqOvISta_Haptictime_Sec_M_f32 TrqOvISta_Haptictime_Sec_M_f32 TrqOvISta_LKAFault_Cnt_M_lgc TrqOvISta_LKAPermFault_Cnt_M_lgc TrqOvISta_LKAPermFault_Cnt_M_lgc TrqOvISta_LKAPermFault_Cnt_M_lgc TrqOvISta_LRAState_State_M_enum TrqOvISta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvISta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvISta_Per1_APADrvrInterventionDetected_Cnt_lgc.value tgt_TrqOvISta_Per1_APAState_State_enum.value tgt_TrqOvISta_Per1_APAState_State_enum.value tgt_TrqOvISta_Per1_APAState_State_enum.value tgt_TrqOvISta_Per1_APOvISta_LState_enum.value tgt_TrqOvISta_Per1_PosServEnable_Cnt_lgc.value tgt_TrqOvISta_Per1_PosServEnable_Cnt_lgc.value tgt_TrqOvISta_Per1_PosServEnable_Cnt_lgc.value tgt_TrqOvISta_Per1_PosServEnable_Cnt_lgc.value	0 0 0 0 0 365.700012 334.799988 0 0.109999999 34.5 0 Actual Value 4 4 0 0 0 2 6506 0 2.54999995 0 0 0 4 10.1999998 0 0 0 4 4 10.1999998	4 4 0 ± 1 0 ± 1 0 ± 1 2 ± 1 2 ± 1 2 ± 2 4 ± 1 0 ± 1 2 ± 3 ± 3 ± 3 ± 3 ± 3 ± 3 ± 3 ± 3 ± 3 ±	· · · · · · · · · · · · · · · · · · ·



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	~

Fest 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
rqOvlSta_APAState_State_M_enum	1
rqOvlSta_ESCState_State_M_enum	4
rqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	11043.2998
rqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	11043.2998
rqOvlSta_ElapsedStandstillTime_Sec_M_f32	11043.2998
rqOvlSta_HapticState_State_M_enum	0
rqOvlSta_Hapticdur_Cnt_M_u16	7488
rqOvlSta_Haptictime_Sec_M_f32	11043.2998
rqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	2.9000001
rqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.683000028
rqOvlSta_LKAFault_Cnt_M_lgc	1
rqOvlSta_LKAPermFault_Cnt_M_lgc	1
rqOvlSta_LKAPermFault_Cnt_M_u08	1
rqOvlSta_LKAState_State_M_enum	1
rqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	20.2000008
rqOvlSta_ReadytoPulse_Cnt_M_lgc	1
_APAIncludeHaptic_Cnt_lgc	0
	0.629000008
APAMaxHwTrq HwNm f32	1.67999995
 _APAMaxVehSpd_Kph_f32	16.2000008
ESCMaxVehSpd Kph f32	141.399994
	0.540000021
	1.98000002
	18,2000008
	0.335999995
KAMaxVehSpd_Kph_f32	39.9000015
LKAMinVehSpd Kph f32	36.75
:tct www.repa_repr_ez :MaxHapticReqTime_Sec_f32	0.479999989
_SWARLimiter_HwDeg_f32	30.3999996
_ShiftLevRevTime_Sec_f32	0.0370000005
_StandstillThresh_Kph_f32	0.280000001
_StandstillTime_Sec_f32	0.0289999992
	-1.54999995
gt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FitInjection_Sign	
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_Ig	
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_Igc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_Igc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_Igc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
pt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESClsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_Igc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc





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_Hw	Deg_f32			
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngReque	st_HwDeg_f32			
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc				
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 TrgOvlSta 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 Igc.value	1				
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1				
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1				
tgt TrqOvISta Per1 GMOSH ESCMfgEnable Cnt Igc.value	1				
tgt_TrqOvISta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1				
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1				
	-0.300000012				
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	1				
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value					
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_ShiftLeverlsInReverse_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	✓		
TrqOvISta LKAFault Cnt M Igc	1	1 ± 1	•		
TrgOvISta 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	-		
TrqOviSta ReadytoPulse Cnt M lgc	1	1 ± 1			
tgt TrqOvlSta Per1 APADrvrInterventionDetected Cnt Igc.value	0	0 ± 1			
tgt_TrqOvlSta_Per1_APAState_State_enum.value	3	3			
tgt_TrqOvISta_Per1_ESCState_State_enum.value	4	4			
	0	0			
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value					
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	~		

Test Step Call Trace				V
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 TrgOvlSta Per1 CP1 CheckpointReached	1	Rte Call TrgOvlSta Per1 CP1 CheckpointReached	1	_

18.2000008

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

tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value

18.2000008 ± 0.0009765625

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Name	Input Value
	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
,	0
	0
	2
	2
	30.2000008
, ,	1
_	0.63999986
	1.75999999
	18
	145.100006
	0.560000002
	1.995
	18.8999996
	0.351999998
	41.7999992
	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	0.032999998
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-1.3999998
	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
	tgt_TrqOvlSta_Per1_APAState_State_enum
	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32 tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
	tgt_rrqOvlSta_ren_cwnound_on_gc
	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
	tgt_TrqOviSta_Per1_ESCRequest_Cnt_lgc
	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_TrqOvlSta_Per1_LKAInhibit_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_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32 tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
	0
	0
	0
tot TrgOvISta Per1 APARequest Cnt lgc.value	
0_ 1 0	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	0 -625.01001

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Name	Input Value		
tgt_TrqOvlSta_Per1_ESClsLimited_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_Igc.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				V
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

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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	0.5099999
k_HapticFreq_Hz_f32	19.6000004
k_HapticReacttime_Sec_f32	0.368000001
k_LKAMaxVehSpd_Kph_f32 k_LKAMinVehSpd_Kph_f32	43.7000008 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
$tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgcaps and the property of the prop$	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_Igc	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_TrqOvISta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_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_Igc	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_Igc	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_Igc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32 tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32 tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt TrgOvlSta Per1 PosTrajHwAngle HwDeg f32
tgt Rte Inst Ap TrqOvISta.TrqOvISta Per1 SWARTrgtAngRequest HwDeg f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt Rte Inst Ap TrqOvISta.TrqOvISta Per1 ShiftLeverIsInReverse Cnt Igc	tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_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	
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_frqOviSta_Per1_GMOSH_APAMitgEnable_Cnt_igc.value tgt_frqOviSta_Per1_GMOSH_ESCMfgEnable_Cnt_igc.value	1
tgt_TrqOvISta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvISta_Per1_HapticRequest_Cnt_Igc.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_LKARequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	
	1
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	1 396.600006
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	1 396.600006 365.700012

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Name	Input Value		
tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_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				V
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	1.9199996
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

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TrqOvlSta_Per1



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_APADrvrInterventionDe	tected_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFa	aults Cnt Igc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_Igc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc	0	
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_TrqOvISta_Per1_CCWPosition_HwDeg_	f3.2	
tgt Rte Inst Ap TrqOviSta.TrqOviSta Per1 CWFound Cnt Igc		102	
	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc	2	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f3	2	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_Igc	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_APAMfgEnab	le_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnab	le_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnabl	e_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 Igc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt TrqOvISta Per1 LKAInhibit Cnt Igc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc		
tgt Rte Inst Ap TrqOvISta.TrqOvISta Perl LKARequest_Chi_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_igc		
		nd Kab 122	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpee		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpee		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lg		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwD		
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_HwDe	eg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest	_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_	Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f3:	2	
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_TrqOviSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0		
tgt_TrqOvISta_Per1_APARecoverableFaults_Cnt_Igc.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	0.89999976		
tgt_TrqOviSta_Per1_LKAFault_Cnt_lgc.value	0		
tgt_TrqOvISta_Per1_LKAInhibit_Cnt_lgc.value	0		
	0		
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value			
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_ShiftLeverlsInReverse_Cnt_Igc.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	•
TrqOvISta_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	→
Tan O d Ota LIVAD and Fault Oat M 100	4	4.4	

TrqOvlSta_LKAPermFault_Cnt_M_u08

TrqOvlSta_LKAState_State_M_enum

4 ± 1





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			V	
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 Igc	0
k APAMaxHwTrgTime 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	0.029999993
k_HapticFreq_Hz_f32	21
k HapticReacttime Sec f32	0.40000006
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	0.43999998
k StandstillTime Sec f32	0.0450000018
tgt Rte Call Ap TrqOvlSta FaultInjection SCom FltInjection Sign	-0.649999976
tgt Rte Inst Ap TrqOvISta.TrqOvISta Per1 APADrvrInterventionDetected Cnt Ign	c tqt TrgOvlSta Per1 APADrvrInterventionDetected Cnt lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt TrgOvlSta Per1 APANonRecoverableFaults Cnt lgc
tgt Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 APARecoverableFaults Cnt Igc	tgt TrgOvlSta Per1 APARecoverableFaults Cnt lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 APAState State enum	tgt TrgOvlSta Per1 APAState State enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_Igc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 CCWPosition HwDeg f32	tgt TrgOvlSta Per1 CCWPosition HwDeg f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 CWPosition HwDeg f32	tgt TrgOvlSta Per1 CWPosition HwDeg f32
tgt Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 ESCFault Cnt Igc	tgt TrqOvlSta Per1 ESCFault Cnt lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_Igc	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 TrgOvlSta Per1 ESCState State enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_enum
	102 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2

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Name	Input Value		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnab	ole_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnab	ole_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnab		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_Igc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lge		
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_MaxSecureVehicleSpe		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpee		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lg	jc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwI	Deg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lge	0	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwD		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f3	2	
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_ESClsLimited_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		
	1		
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value			
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_Igc.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_Igc.value	1		
		1	1
Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	3	3	✓
TrgOvlSta 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	-
TrgOvlSta Haptictime Sec M f32	12982.6201	12982.6201 ± 1	✓
TrqOvISta HwTorqueSV HwNm M Str.SV UIs f32	4.3000019	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	✓
TrgOvlSta LKAState State M enum	3	3	✓
TrqOvlSta PosSrvoHwAngle HwDeg M f32	0.159999996	0.159999996 ± 0.0009765625	~
	1		-
TrqOvlSta_ReadytoPulse_Cnt_M_lgc		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	
0_ ,	1	i .	1 1
tot TroOvISta Per1 I KAState State enum value		3	-
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	3	3	•
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	3	1 ± 1	~
	3		
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	3	1 ± 1	~
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	3 1 0.159999996	1 ± 1 0.159999996 ± 0.0009765625	~
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	3 1 0.159999996 0.620000005	1 ± 1 0.159999996 ± 0.0009765625 0.620000005 ± 0.0009765625	~



Test Step Call Trace			V	
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	~

Fest Step 2.134 (Repeat Count = 1)	1
lame	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvISta	tgt_Rte_Inst_Ap_TrqOvlSta
rqOvISta_APAState_State_M_enum	1
rqOvISta_ESCState_State_M_enum	4
rqOvISta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	13467.4502 13467.4502
rqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32 rqOvlSta_ElapsedStandstillTime_Sec_M_f32	13467.4502
rqOvISta HapticState State M enum	2
rqOvISta Hapticotate_State_M_entitin	12398
rqOvISta Haptictime Sec M f32	13467.4502
rqOviSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	4.6500001
rqOvISta_HwTorqueSV_HwNm_M_Str.K_UIs_f32	0.00639999984
rqOvlSta_LKAFault_Cnt_M_lgc	0
rqOvISta_LKAPermFault_Cnt_M_lgc	0
rqOvlSta_LKAPermFault_Cnt_M_u08	1
rqOvlSta_LKAState_State_M_enum	1
rqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	70.1999969
rqOvlSta_ReadytoPulse_Cnt_M_lgc	0
_APAIncludeHaptic_Cnt_lgc	1
_APAMaxHwTrqTime_Sec_f32	0.684000015
_APAMaxHwTrq_HwNm_f32	2.07999992
_APAMaxVehSpd_Kph_f32	25.2000008
_ESCMaxVehSpd_Kph_f32	159.899994
_HapticAmplitude_MtrNm_f32	0.639999986
_HapticDuration_Sec_f32	0.0450000018
_HapticFreq_Hz_f32	21.7000008
_HapticReacttime_Sec_f32	0.416000009
_LKAMaxVehSpd_Kph_f32	49.4000015
_LKAMinVehSpd_Kph_f32	45.5
_MaxHapticReqTime_Sec_f32	0.555000007
_SWARLimiter_HwDeg_f32	31.8999996
_ShiftLevRevTime_Sec_f32	0.057
_StandstillThresh_Kph_f32	0.47999989
_StandstillTime_Sec_f32	0.048999987 -0.20000003
pt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FItInjection_Sign gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_Igr	
gt_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Per1_APANonRecoverableFaults_Cnt_Igc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_Igc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
gt_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
at Rte Inst Ap TrqOvISta.TrqOvISta Per1 CWPosition HwDeg f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
pt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESClsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESClsLimited_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
pt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_Igc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc

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Name	Input Value		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lg	c	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_Hw[
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32			
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc	tgt TrqOvlSta Per1 ShiftLeverlsInReverse		
tgt Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 TrgOscAmp MtrNm f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_Igc	tgt TrqOvlSta Per1 TrqOscEnable Cnt Ig		
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_TrqOvISta_Per1_CCWFound_Cnt_lgc.value	0		
tgt_TrqOvISta_Per1_CCWPosition_HwDeg_f32.value	-1140.10999		
tgt_TrqOvISta_Per1_CWFound_Cnt_Igc.value	0		
	360		
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	0		
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value			
tgt_TrqOvlSta_Per1_ESClsLimited_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_Igc.value	0		
Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	-
TrqOvlSta_ESCState_State_M_enum	4	4	•
TrgOvlSta ElapsedAPAMaxHwTrgTime Sec M f32	0	0 ± 1	
TrgOvlSta 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	
TrqOvISta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32	4.6500001	4.6500001 ± 0.000009	
TrqOvlSta LKAFault Cnt M lgc	0	0 ± 1	
TrqOvISta LKAPermFault Cnt M Igc	0	0 ± 1	
TrgOvISta_LKAPermFault_Cnt_M_igc	1	1±1	
	· ·		
TrqOvlSta_LKAState_State_M_enum	4	4	
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	70.1999969	70.1999969 ± 0.0009765625	
		0 ± 1	
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0	0.11	
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	•
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value tgt_TrqOvlSta_Per1_APAState_State_enum.value	0 4	4	
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value tgt_TrqOvlSta_Per1_APAState_State_enum.value tgt_TrqOvlSta_Per1_ESCState_State_enum.value	0 4 4 4	4	
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value tgt_TrqOvlSta_Per1_APAState_State_enum.value tgt_TrqOvlSta_Per1_ESCState_State_enum.value tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0 4 4 2	4 4 2	•
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value tgt_TrqOvlSta_Per1_APAState_State_enum.value tgt_TrqOvlSta_Per1_ESCState_State_enum.value tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value tgt_TrqOvlSta_Per1_LKAState_State_enum.value	0 4 4 2 4	4 4 2 4	•
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value tgt_TrqOvlSta_Per1_APAState_State_enum.value tgt_TrqOvlSta_Per1_ESCState_State_enum.value tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value tgt_TrqOvlSta_Per1_LKAState_State_enum.value tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0 4 4 2 4 0	4 4 2 4 0±1	•
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value tgt_TrqOvlSta_Per1_APAState_State_enum.value tgt_TrqOvlSta_Per1_ESCState_State_enum.value tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value tgt_TrqOvlSta_Per1_LKAState_State_enum.value tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0 4 4 2 4 0 70.1999969	4 4 2 4 0 ± 1 70.1999969 ± 0.0009765625	
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value tgt_TrqOvlSta_Per1_APAState_State_enum.value tgt_TrqOvlSta_Per1_ESCState_State_enum.value tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value tgt_TrqOvlSta_Per1_LKAState_State_enum.value tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0 4 4 2 4 0 70.1999969 0.639999986	4 4 2 4 0 ± 1 70.1999969 ± 0.0009765625 0.639999986 ± 0.0009765625	0
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value tgt_TrqOvlSta_Per1_APAState_State_enum.value tgt_TrqOvlSta_Per1_ESCState_State_enum.value tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value tgt_TrqOvlSta_Per1_LKAState_State_enum.value tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0 4 4 2 4 0 70.1999969	4 4 2 4 0 ± 1 70.1999969 ± 0.0009765625	

Test Step Call Trace				V
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 TroOvISta Per1 CP1 CheckpointReached	1	Rte Call TrgOvISta Per1 CP1 ChecknointReached	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

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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	
TrqOvlSta_LKAPermFault_Cnt_M_u08	2 2
TrqOvlSta_LKAState_State_M_enum 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	0.66000026
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_lg	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_Igc
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_Igc	tgt_TrqOvISta_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_Igc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32 tgt TrqOvlSta Per1 CWFound Cnt lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt TrqOvISta Per1 CWPosition HwDeg f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvISta_Per1_ESCFault_Cnt_Igc
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 Igc	tgt_TrqOvISta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvIsta_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 Igc	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_Igc	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_ShiftLeverlsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_Igc
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_Igc.value	1
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	
tot Toroulote Dani COMErcurd Oct Inc.	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1400 20006
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-1100.20996
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	

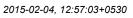
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Name	Input Value		
tgt_TrqOvlSta_Per1_ESClsLimited_Cnt_lgc.value	1		
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1		
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1		
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1		
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	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_Igc.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				V
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





<u> </u>	
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 32.5
k_SWARLimiter_HwDeg_f32 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	0.10000001
tgt_Rte_Inst_Ap_TrqOvlSta.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 Igc
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_ESClsLimited_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_Igc	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_TrqOvISta.TrqOvISta_Per1_LKAInhibit_Cnt_Igc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_LKAState_State_enum 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_ShiftLeverlsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_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 2.5
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_frqOviSta_Peri_LKAFauit_Cnt_lgc.value tgt_frqOviSta_Peri_LKAInhibit_Cnt_lgc.value	0
tgt_TrqOvISta_Per1_LKAIrmibit_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	0.18999998
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-24.8999996

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Name	Input Value		
tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_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	<u> </u>

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	14.399996
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

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TrqOvlSta_Per1



Name	Input Value		
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	0.850000024		
$tgt_Rte_Inst_Ap_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgenerationPerformed and the property of the $	tgt_TrqOvlSta_Per1_APADrvrInterventionDe	etected_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFa		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults	s_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_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_	f32	
tgt_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc	132	
tgt Rte Inst Ap TrqOvISta.TrqOvISta Per1 CWPosition HwDeg f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f3	32	
tgt Rte Inst Ap TrqOviSta.TrqOviSta Per1 ESCFault Cnt Igc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc	-	
tgt Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 ESCIsLimited Cnt Igc	tgt TrqOvlSta Per1 ESCIsLimited Cnt Igc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum	1	
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_APAMfgEnab	ole_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnab	ole_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnab	le_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgd	0	
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_Igc	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_Igc	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_MaxSecureVehicleSpectat_TrqOvlSta_Per1_MinSecureVehicleSpectat_TrqOvlSta_Per1_MinSecureVehicleSpectat_TrqOvlSta_Per1_MinSecureVehicleSpec		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpee		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lg		
tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_PosTrajEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwE tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgo		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwD		
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest		
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_ShiftLeverIsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f3		
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_ESClsLimited_Cnt_lgc.value	1		
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1		
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1		
tgt_TrqOvlSta_rei1_GMOSH_ESCMigEnable_Cnt_igc.value	1		
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1		
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	3.70000005		
tgt_TrqOvlSta_ren_FiwTorque_FiwNin_i32.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_ShiftLeverlsInReverse_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	✓
TrqOvISta_HapticState_State_M_enum	0	0	*
TrqOvISta_Hapticdur_Cnt_M_u16	17308	17308 ± 1	✓ ✓
TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_HwTorqueSty_HwNm_M_Str_Sty_Llls_f32	15891.5996	15891.5996 ± 1	~
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32 TrqOvlSta_LKAFault_Cnt_M_lgc	6.4000001	6.4000001 ± 0.000009 1 ± 1	
TrqOvISta_EKAFault_Citt_M_igc TrqOvISta_EKAPermFault_Citt_M_igc	1	1±1	
TrqOvISta_LKAPermFault_Cnt_M_u08	1	1±1	_
, "_ ' - ' - ' - ' - ' - ' - ' - ' - ' - '			

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 $TrqOvlSta_LKAState_State_M_enum$





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
TrqOvISta_ESCState_M_enum	0
TrqOvlSta ElapsedAPAMaxHwTrqTime Sec M f32	16376.4297
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	16376.4297
TrgOvISta ElapsedStandstillTime Sec M f32	16376.4297
TrqOvlSta_HapticState_State_M_enum	2
TrqOvISta Hapticdur Cnt M u16	18290
TrqOvlSta Haptictime Sec M f32	16376.4297
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	6.75
TrgOvlSta HwTorgueSV HwNm M Str.K Uls f32	0.0196000002
TrgOvISta LKAFault Cnt M lgc	0
TrqOvISta_LKAPermFault_Cnt_M_lgc	0
TrgOvISta LKAPermFault Cnt M u08	2
TrqOvlSta_LKAState_State_M_enum	2
TrqOvISta PosSrvoHwAngle HwDeg M f32	15.5
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0
k APAIncludeHaptic Cnt Igc	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 MaxHapticRegTime Sec f32	0.644999981
k_SWARLimiter_HwDeg_f32	33.700008
k ShiftLevRevTime Sec f32	0.0810000002
k StandstillThresh Kph f32	0.720000029
k StandstillTime Sec f32	0.0729999989
tgt Rte Call Ap TrgOvlSta FaultInjection SCom FltInjection Sign	1
tgt_Rte_call_Ap_rtqovista_raultilijection_3cont_ritilijection_sign tgt_Rte_Inst_Ap_rtqoviSta.TrqoviSta_Per1_APADrvrInterventionDetected_Cnt_lg	
tgt_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Per1_APANonRecoverableFaults_Cnt_Igc	tgt_trqOviSta_Fet1_APANonRecoverableFaults_Cnt_lgc
tgt Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 APARecoverableFaults Cnt Igc	tgt_trqOviSta_retr_ArAnointecoverableraults_Ont_gc
tgt_Rte_Inst_Ap_TrqOvIsta.TrqOvIsta_Per1_APARecoverablerabilis_Ont_igc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt Rte Inst Ap TrqOvISta.TrqOvISta Per1 APARequest_Cnt_gc	tgt TrqOvlSta Per1 APAState State enum
tgt_Rte_Inst_Ap_TrqOvIsta.TrqOvIsta_Per1_CCWFound_Cnt_Igc	tgt_TrqOviSta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvIsta.TrqOvIsta_Per1_CCWPound_Crit_igc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
	tgt_TrqOvISta_Per1_CCWPosition_nwDeg_is2 tgt_TrqOvISta_Per1_CWFound_Cnt_Igc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPoultd_Cht_igc tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc tgt_TrqOvlSta_Per1_ESClsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc 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_APAMfgEnal	ble_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEna	ble_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnat		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_Igc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lg		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32	4	
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	١	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpe		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpe	- · -	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_l	gc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_Hwl	Deg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lg	С	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwD		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngReques		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f	32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lg	С	
tgt Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 TrgOscFreg 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_ESClsLimited_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		
	0		
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value			
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_Igc.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 ShiftLeverlsInReverse Cnt Igc.value	0		
		1=	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	
	0	0 ± 1	*
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32			
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	~
TrqOvlSta_HapticState_State_M_enum	2	2	✓
TrqOvlSta_Hapticdur_Cnt_M_u16	18290	18290 ± 1	✓
TrgOvlSta Haptictime Sec M f32	0	0 ± 1	✓
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_UIs_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	•
	0		-
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	•	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	→
	0.10000000	0.100000000 ± 0.00001000±0	
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	•
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value			V



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 TrgOvlSta Per1 CP1 CheckpointReached	1	Rte Call TrgOvlSta Per1 CP1 CheckpointReached	1	~

Test Step 2.139 (Repeat Count = 1)	Innuit Value
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_TrqOvISta	tgt_Rte_Inst_Ap_TrqOvlSta
FrqOvlSta_APAState_State_M_enum	0
FrqOvlSta_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
FrqOvlSta_HapticState_State_M_enum	1
FrqOvlSta_Hapticdur_Cnt_M_u16	11416
FrqOvISta_Haptictime_Sec_M_f32	12982.6201
FrqOvISta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32	4.30000019
FrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.00419999985
FrqOvISta_LKAFault_Cnt_M_lgc	1
FrqOvISta_LKAPermFault_Cnt_M_lgc	1
FrqOvlSta_LKAPermFault_Cnt_M_u08	0
FrqOvlSta_LKAState_State_M_enum	0
FrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	60.2000008
FrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
_APAIncludeHaptic_Cnt_lgc	0
_APAMaxHwTrqTime_Sec_f32	0.672999978
c_APAMaxHwTrq_HwNm_f32	2
	23.3999996
c_ESCMaxVehSpd_Kph_f32	156.199997
	0.620000005
C_HapticDuration_Sec_f32	0.029999993
 req_Hz_f32	21
 K_HapticReacttime_Sec_f32	0.40000006
C_LKAMaxVehSpd_Kph_f32	47.5
LKAMinVehSpd Kph f32	43.75
	0.540000021
SWARLimiter_HwDeg_f32	31.6000004
<pre>c_ShiftLevRevTime_Sec_f32</pre>	0.0529999994
C_StandstillThresh_Kph_f32	0.43999998
C_StandstillTime_Sec_f32	0.0450000018
gt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-0.649999976
gt_Rte_lnst_Ap_TrqOvlSta_r autinjection_3com_r imjection_3ign gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc	
gt_Rte_inst_ap_riqoviota.riqoviota_reri_arabivinterventionbetected_ont_gc gt_Rte_inst_ap_riqoviota.riqoviota_reri_arabivinterventionbetected_ont_gc	
	tgt_TrqOvISta_Per1_APANonRecoverableFaults_Cnt_Igc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_Igc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_Igc	1
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_Igc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_Igc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_Igc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_Igc	tgt_TrqOvlSta_Per1_ESClsLimited_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
gt Nic mat Ap myoviota. Myoviota i ci i i osocivenabic ont igc	

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TrqOvlSta_Per1



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_Hw	/Deg_f32		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngReque	est_HwDeg_f32		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverIsInRevers	e_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_I	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_ESClsLimited_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	1.2999995			
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_ShiftLeverlsInReverse_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		
TrgOvlSta 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	•	
TrgOvlSta HwTorqueSV HwNm M Str.SV Uls f32	4.30000019	4.30000019 ± 0.000009		
TrgOvlSta LKAFault Cnt M lgc	1	1 ± 1	•	
TrgOvISta LKAPermFault Cnt M Igc	1	1 ± 1	•	
TrgOvISta LKAPermFault Cnt M u08	0	0 ± 1	•	
TrgOvlSta 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_enum.value	3	3	•	
tgt_TrqOvlSta_Per1_GMOSHOscillateState_enum.value	1	1		
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	3	3	~	
tgt TrqOvlSta Per1 PosServEnable Cnt Igc.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	•	

Test Step Call Trace				V
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 TrgOvISta Per1 CP1 CheckpointReached	1	Rte Call TrgOvlSta Per1 CP1 CheckpointReached	1	_

21 ± 0.0009765625

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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

 $tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value$

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TrqOvlSta_Per1



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_UIs_f32	0.0284000002 0
TrqOvlSta_LKAFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvISta_LKAPermFault_Cnt_M_u08	1
TrqOvISta_LKAState_State_M_enum	1
TrqOvISta_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 k MaxHapticReqTime Sec f32	63 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
$tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgcorrections and the property of t$	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_TrqOvISta.TrqOvISta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_Igc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32 tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_Igc	tgt TrqOvlSta Per1 ESCFault Cnt Igc
tgt Rte Inst Ap TrqOvISta.TrqOvISta Per1 ESCIsLimited Cnt Igc	tgt_TrqOvISta_Per1_ESCIsLimited_Cnt_lgc
tgt Rte Inst Ap TrgOvISta.TrgOvISta Per1 ESCRequest Cnt Igc	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_Igc	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_Igc	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_TrqOvISta.TrqOvISta_Per1_LKARequest_Cnt_Igc	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_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32 tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_trqOviSta.frqOviSta_Peri_minSecurevenicleSpeed_kpn_t32 tgt_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Peri_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_MinSecurevenicleSpeed_kpn_t32
tgt_Rte_Inst_Ap_TrqOvIsta.TrqOvIsta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosServErlable_Crit_igc 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_ShiftLeverlsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc
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_Igc	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
tot TraQuiSta Bord CWPosition Hurban (22 value	1021 06002
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1021.96002 0

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Name	Input Value		
tgt_TrqOvlSta_Per1_ESClsLimited_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_ShiftLeverlsInReverse_Cnt_Igc.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_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	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				V
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

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New		
APAMASHering Men 12	Name	Input Value
PARTICIPATION 150	k_APAMaxHwTrqTime_Sec_f32	0.805000007
Part	k_APAMaxHwTrq_HwNm_f32	2.96000004
Linguisty Ling	k_APAMaxVehSpd_Kph_f32	45
L Spellochiston Sec. 122 L - Joseph Control Co	k_ESCMaxVehSpd_Kph_f32	52.2000008
Lipsperication (Sec. 19 0	k_HapticAmplitude_MtrNm_f32	0.25
L JADANIA PROJECT SERVICE JAN 1998 L JADANIA JAN 1998	k_HapticDuration_Sec_f32	0.20999993
Libraharwenspot pan 192		
Light Manuscripting Ser. 22 0.700000029		
Lighter part Light		
S. SWARD HINTON FINE PRESS 22 0.10000004	: = : =	
Sentent Sent		
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With Rec and Ap TroVOSIs Facility (Provides Personal Control		
175		
Bit Res Ap. TropOsitis Technical Per APADominancemonicolectus Cell Epi		
10, Res Rr, Ap TrigOVSB TeptiOSB T		
10, Ris Ref. Ap. Tro/OSS Perf. APARcooversible Faults Crit. 100		
Up, Re, Inst, Ap, TrigOvSta, TrigOvSta, Pert J, APSAfes, State summ by TrigOvSta (TrigOvSta) Pert J, APSAfes State summ Up, Re, Inst, Ap, TrigOvSta, TrigOvSta, Pert J, APSAfes State summ by TrigOvSta (TrigOvSta) Pert J, APSAfes State summ Up, Re, Inst, Ap, TrigOvSta, TrigOvSta, Pert J, COWFound, Crit. Up by TrigOvSta (TrigOvSta) Pert J, COWFound, Crit. Up Up, Re, Inst, Ap, TrigOvSta, TrigOvSta, Pert J, COWFound, Crit. Up by TrigOvSta, Pert J, COWFound, Crit. Up Up, Re, Inst, Ap, TrigOvSta, TrigOvSta, Pert J, SCHALL, Crit. Up by TrigOvSta, Pert J, COWFound, Crit. Up Up, Re, Inst, Ap, TrigOvSta, TrigOvSta, Pert J, SCHALL, Crit. Up by TrigOvSta, Pert J, SCHALL, Crit. Up Up, Rin, Le, Ap, TrigOvSta, TrigOvSta, Pert J, SCHALL, State, crit. Up by TrigOvSta, Pert J, SCHALL, Crit. Up Up, Rin, Le, Ap, TrigOvSta, TrigOvSta, Pert J, SCHALL, State, crit. Up by TrigOvSta, Pert J, SCHALL, Crit. Up Up, Rin, Le, Ap, TrigOvSta, TrigOvSta, Pert J, SCHALL, Crit. Up by TrigOvSta, Pert J, SCHALL, Crit. Up Up, Rin, Le, Ap, TrigOvSta, TrigOvSta, Pert J, Schall, Crit. Up by TrigOvSta, Pert J, SCHALL, Crit. Up Up, Rin, Le, Ap, TrigOvSta, TrigOvSta, Pert J, Marken, Crit. Up by TrigOvSta, Pert J, Schall, Crit. Up Up, Rin, Le, Ap, TrigOvSta, TrigOvSta, Pert J, Marken, Crit. Up by TrigOvSta, Pert J, Schall, Crit. Up Up, Rin, Le, Ap, TrigOvSta, TrigOvSta, Pert J, Marken, Crit. Up <t< td=""><td></td><td></td></t<>		
19. Rilb, R.A. TraONSIA TRONSIA PER LOWNER 19. TRONSIA TRONSIA TRONSIA TRONSIA PER COWNER 19. TRONSIA TRONSIA TRONSIA TRONSIA PER COWNER 19. TRONSIA TRONSIA TRONSIA TRONSIA PER LOWNER 19. TRONSIA		
Sign Reg. Part Ap TropOSSa Prof COWPoster Money Sign		
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Ist, Rie, Intal. Ap. TriOV/Sia TriOV/Sia Pert. OVERAND Pert. SPECIAL CIT. Ligo typ. TriOV/Sia Pert. Cybroll. Ist, Rie, Intal. Ap. TriOV/Sia TriOV/Sia Pert. SECFAINL CIT. Ligo typ. TriOV/Sia Pert. SECFAINL CIT. Ligo Ist, Rie, Intal. Ap. TriOV/Sia TriOV/Sia Pert. SECFAINL CIT. Ligo typ. TriOV/Sia Pert. SECFAINL CIT. Ligo Ist, Rie, Intal. Ap. TriOV/Sia TriOV/Sia Pert. SECFAINL CIT. Ligo typ. TriOV/Sia Pert. SECFAINL CIT. Ligo Ist, Rie, Intal. Ap. TriOV/Sia TriOV/Sia Pert. SMOSHOSCHILD State chain typ. TriOV/Sia Pert. SECFAINL CIT. Ligo Ist, Rie, Intal. Ap. TriOV/Sia TriOV/Sia Pert. CMOSHOSIA (PARMIgranible, Cit. Ligo typ. TriOV/Sia Pert. SECFAINL CIT. Ligo Ist, Rie, Intal. Ap. TriOV/Sia TriOV/Sia Pert. CMOSHOSIA (PARMIgranible, Cit. Ligo typ. TriOV/Sia Pert. CMOSHOSIA (PARMIgranible, Cit. Ligo Ist, Rie, Intal. Ap. TriOV/Sia TriOV/Sia Pert. Light Clayers, Cit. Ligo typ. TriOV/Sia TriOV/Sia TriOV/Sia TriOV/Sia Pert. Light Clayers Ist, Rie, Intal. Ap. TriOV/Sia TriOV/Sia Pert. Light Clayers typ. TriOV/Sia Pert. TriOV/Sia TriOV/Sia Pert. TriOV/Sia TriOV/Sia Pert. TriOV/Sia TriOV/Sia Pert. Tri		
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tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value fgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value fgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value ggt_TrqOvlSta_Per1_NinSecureVehicleSpeed_Kph_f32.value fgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value 1 fgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value 0.159999996		
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value 98.8000031 tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value 1 tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value 0.159999996	,	
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value 6.0999999 tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value 1 tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value 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_PosTrajEnable_Cnt_lgc.value 0.159999996		
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_PosTrajEnable_Cnt_lgc.value 0.159999996		
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_PosTrajEnable_Cnt_lgc.value 0.159999996		
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value 0.159999996		
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_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_MaxSecureVehicleSpeed_Kph_f32.value tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value 0.159999996		
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_PosTrajEnable_Cnt_lgc.value 1 tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value 0.159999996		
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value 0.159999996		
tgt_IrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value -7.80000019	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-7.80000019

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Name	Input Value		
tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_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

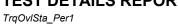
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TrqOvlSta_Per1



Name	Input Value		
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	1.89999998		
$tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgcaps and the property of the prop$	tgt_TrqOvlSta_Per1_APADrvrInterventionDe	tected_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFa	aults_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_Igc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f3	2	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_Igc	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_Igc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum tgt_TrqOvlSta_Per1_GMOSHOscillateState_		
tgt_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Per1_GMOSH_APAMfgEnable_Cnt_Igc	tgt TrqOvlSta Per1 GMOSH APAMfgEnab		
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnab		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvISta_Per1_GMOSH_LKAMfgEnabl		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt TrqOvISta Per1 HapticRequest Cnt Igo		
tgt Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 HwTorque HwNm f32	tgt_TrqOvISta_Per1_HwTorque_HwNm_f32		
tgt Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 LKAFault Cnt Igc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc		
tgt Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 LKAInhibit Cnt Igc	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_TrqOvISta_Per1_LKAState_State_enum		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt TrqOvlSta Per1 MaxSecureVehicleSpee	ed Kph f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpee		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lg		
tgt Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 PosSrvoHwAngle HwDeg f32	tgt TrqOvlSta Per1 PosSrvoHwAngle HwD		
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_HwDe		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest	HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_	Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f3.	2	
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_ESClsLimited_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 170000003		
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.170000002		
tgt_TrqOvISta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-5.9000001 0		
tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc.value		Eypooted Value	Decui
Name TraCviCto ADAState State M. coum	Actual Value	Expected Value	Resul
TrqOvISta_APAState_State_M_enum	4	4	
TrqOvISta_ESCState_State_M_enum TrqOvISta_ElansedAPAMayHwTrqTime_Sec_M_f32	0	0 ± 1	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0 ± 1	
TrqOvIsta_ElapsedStandstillTime_Sec_M_f32 TrqOvISta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1 0 ± 1	
	2	2	
TrqOvISta_HapticState_State_M_enum TrqOvISta_Hapticdur_Cot_M_u16	24182	24182 ± 1	
TrqOvISta_Hapticdur_Cnt_M_u16 TrqOvISta_Haptictime_Sec_M_f32	0	0±1	
TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_HwTorqueSV_HwNm_M_Str_SV_Llls_f32			
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	8.85000038	8.85000038 ± 0.000009	
TraOvISta LKAFault Cot M Icc	0	0 + 1	
TrqOvISta_LKAFault_Cnt_M_lgc	0	0 ± 1	
TrqOvlSta_LKAFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_u08	0 0 3	0±1 0±1 3±1	

 $TrqOvlSta_LKAState_State_M_enum$





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				V
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 Igc	0
k APAMaxHwTrgTime 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 TrqOvISta.TrqOvISta Per1 APADrvrInterventionDetected Cnt Ign	tgt TrgOvlSta Per1 APADrvrInterventionDetected Cnt Igc
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 Igc	tgt TrgOvlSta 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 TrgOvlSta Per1 APAState State enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt Rte Inst Ap TrgOvlSta.TrgOvlSta 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 TrgOvlSta.TrgOvlSta Per1 CWPosition HwDeg f32	tgt TrqOvlSta Per1 CWPosition HwDeg f32
tgt Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 ESCFault Cnt Igc	tgt TrgOvlSta Per1 ESCFault Cnt Igc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_Igc	tgt_TrqOvIsta_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 TrgOvlSta Per1 ESCState State enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_enum
	102 , 2 : 2 : 1 : 1 : 1 : 1 : 1 : 1 : 1 : 1 :

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Name	Input Value		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEn	able_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEn	able_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEn	able_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f	32	
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_lgd tgt TrqOvlSta Per1 LKAState State enu		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvISta_Per1_MaxSecureVehicleSp		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt TrqOvlSta Per1 MinSecureVehicleSp		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_		
tgt Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 PosSrvoHwAngle HwDeg f32	tgt TrqOvlSta Per1 PosSrvoHwAngle H		
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_Hw	/Deg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngReque	est_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverIsInRevers	e_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_	<u>f</u> 32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_l	gc	
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 1036.78003		
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1		
tgt_TrqOvISta_Per1_ESCIsLimited_Cnt_lgc.value	1		
tgt_TrqOvISta_Per1_ESCRequest_Cnt_lgc.value	1		
tgt_TrqOviSta_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 tgt TrqOvlSta Per1 ShiftLeverIsInReverse Cnt Igc.value	-4 1		
Name		Expected Value	Pocult
TrqOvISta_APAState_State_M_enum	Actual Value	Expected Value	Result
TrqOvISta_ESCState_State_M_enum	3	3	
TrgOvISta ElapsedAPAMaxHwTrgTime Sec M f32	27475.5293	27475.5293 ± 1	
TrgOvlSta ElapsedShiftLevRevTime Sec M f32	27475.5293	27475.5293 ± 1	•
TrgOvlSta 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	-
TrqOvISta_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	•
TOT LEGI MINTO LIONS BLIDSTON CHOIC CONTINUOUS	3	4	•
tgt_TrqOvISta_Per1_APAState_State_enum.value	3	3	Ĭ
tgt_TrqOvlSta_Per1_ESCState_State_enum.value		0	
tgt_TrqOvlSta_Per1_ESCState_State_enum.value tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	
tgt_TrqOvlSta_Per1_ESCState_State_enum.value tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value tgt_TrqOvlSta_Per1_LKAState_State_enum.value	0 4	4	•
tgt_TrqOvlSta_Per1_ESCState_State_enum.value tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value tgt_TrqOvlSta_Per1_LKAState_State_enum.value tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0 4 1	4 1±1	•
tgt_TrqOvlSta_Per1_ESCState_State_enum.value tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value tgt_TrqOvlSta_Per1_LKAState_State_enum.value tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0 4 1 0.180000007	4 1 ± 1 0.180000007 ± 0.0009765625	
tgt_TrqOvlSta_Per1_ESCState_State_enum.value tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value tgt_TrqOvlSta_Per1_LKAState_State_enum.value tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0 4 1	4 1±1	



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 TrgOvlSta Per1 CP1 CheckpointReached	1	Rte Call TrgOvlSta Per1 CP1 CheckpointReached	1	~

Input Value tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FitInjection_Sign tgt_Rte_Inst_Ap_TrqOvlSta
tgt_Rte_Inst_Ap_TrqOvlSta
0
3
30480
30480 30480
1
26146
30480
9.55000019
0.0372000001
0
0
0
0
24.2999992
0
1
0.838
3.20000005
50.4000015
68.6999969
0.310000002
0.254999995
31.5
0.671999991
79.8000031
73.5
0.764999986
36.0999985
0.112999998
1.03999996
0.104999997
2.20000005
gc tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
- ·
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_TrqOvlSta_Per1_ESClsLimited_Cnt_lgc
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc

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Name	Input Value		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_l	gc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_Hw	Deg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngReque	st_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse	e_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 Igc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lg	ac .	
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 Igc.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_TrqOvISta_Per1_ESCFault_Cnt_lgc.value	0		
tgt TrqOvlSta Per1 ESCIsLimited Cnt Igc.value	0		
tgt_TrqOvISta_Per1_ESCRequest_Cnt_lgc.value	0		
tgt_TrqOvIsta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	0		
	0		
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value			
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_ShiftLeverlsInReverse_Cnt_Igc.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	•
TrgOvlSta 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	
TrgOvlSta LKAFault Cnt M lgc	0	0 ± 1	
TrgOvlSta LKAPermFault Cnt M lgc	0	0 ± 1	
TrqOvISta_LKAPermFault_Cnt_M_u08	0	0 ± 1	
TrqOvISta_LKAState_State_M_enum	4	4	j
TrgOvlSta PosSrvoHwAngle HwDeg M f32	24.2999992	24.2999992 ± 0.0009765625	
1 = 0 = 0 = 1	0	24.2999992 ± 0.0009765625 0 ± 1	
TrqOvISta_ReadytoPulse_Cnt_M_lgc	0		
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	4	0 ± 1	
tgt_TrqOvlSta_Per1_APAState_State_enum.value			
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	•

Test Step Call Trace				V
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 TroOvISta Per1 CP1 CheckpointReached	1	Rte Call TrgOvISta Per1 CP1 ChecknointReached	1	-

31.5 ± 0.0009765625

31.5

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

tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value

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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
TrqOvISta_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
$tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgovernormal and the property of th$	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_Igc	tgt_TrqOvlSta_Per1_ESClsLimited_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_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_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_Igc	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_Igc	tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc
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
	020 000072
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-820.909973
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1





Name	Input Value		
tgt_TrqOvlSta_Per1_ESClsLimited_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_ShiftLeverlsInReverse_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				V
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

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k_APAMaxHwTrqTime_Sec_f32 k_APAMaxHwTrq_HwNm_f32 k_APAMaxVehSpd_Kph_f32 k_ESCMaxVehSpd_Kph_f32 k_HapticAmplitude_MtrNm_f32 k_HapticDuration_Sec_f32 k_HapticFreq_Hz_f32 k_HapticReacttime_Sec_f32 k_LKAMaxVehSpd_Kph_f32 k_LKAMinVehSpd_Kph_f32 k_MaxHapticReqTime_Sec_f32	Input Value 0.860000014 3.3599999 54 79.6999969 0.349999994 0.284999996 32.9000015 0.703999996
k_APAMaxHwTrq_HwNm_f32 k_APAMaxVehSpd_Kph_f32 k_ESCMaxVehSpd_Kph_f32 k_HapticAmplitude_MtrNm_f32 k_HapticDuration_Sec_f32 k_HapticFreq_Hz_f32 k_HapticReacttime_Sec_f32 k_LKAMaxVehSpd_Kph_f32 k_LKAMinVehSpd_Kph_f32 k_MaxHapticReqTime_Sec_f32	3.359999 54 79.6999969 0.34999994 0.28499996 32.900015
k_APAMaxVehSpd_Kph_f32 k_ESCMaxVehSpd_Kph_f32 k_HapticAmplitude_MtrNm_f32 k_HapticDuration_Sec_f32 k_HapticFreq_Hz_f32 k_HapticReacttime_Sec_f32 k_LKAMaxVehSpd_Kph_f32 k_LKAMinVehSpd_Kph_f32 k_MaxHapticReqTime_Sec_f32	54 79.6999969 0.34999994 0.284999996 32.9000015
k_ESCMaxVehSpd_Kph_f32 k_HapticAmplitude_MtrNm_f32 k_HapticDuration_Sec_f32 k_HapticFreq_Hz_f32 k_HapticReacttime_Sec_f32 k_LKAMaxVehSpd_Kph_f32 k_LKAMinVehSpd_Kph_f32 k_MaxHapticReqTime_Sec_f32	79.6999969 0.349999994 0.284999996 32.9000015
k_HapticAmplitude_MtrNm_f32 k_HapticDuration_Sec_f32 k_HapticFreq_Hz_f32 k_HapticReacttime_Sec_f32 k_LKAMaxVehSpd_Kph_f32 k_LKAMinVehSpd_Kph_f32 k_MaxHapticReqTime_Sec_f32	0.349999994 0.284999996 32.9000015
k_HapticDuration_Sec_f32 k_HapticFreq_Hz_f32 k_HapticReacttime_Sec_f32 k_LKAMaxVehSpd_Kph_f32 k_LKAMinVehSpd_Kph_f32 k_MaxHapticReqTime_Sec_f32	0.284999996 32.9000015
k_HapticFreq_Hz_f32 k_HapticReacttime_Sec_f32 k_LKAMaxVehSpd_Kph_f32 k_LKAMinVehSpd_Kph_f32 k_MaxHapticReqTime_Sec_f32	32.9000015
k_HapticReacttime_Sec_f32 k_LKAMaxVehSpd_Kph_f32 k_LKAMinVehSpd_Kph_f32 k_MaxHapticReqTime_Sec_f32	
k_LKAMaxVehSpd_Kph_f32 k_LKAMinVehSpd_Kph_f32 k_MaxHapticReqTime_Sec_f32	0.703999996
k_LKAMinVehSpd_Kph_f32 k_MaxHapticReqTime_Sec_f32	
k_MaxHapticReqTime_Sec_f32	83.5999985
	77
k_SWARLimiter_HwDeg_f32	0.795000017
LOUGH D. T. C. 100	36.7000008
	0.120999999
	1.12
	0.112999998 2.5
0 , _ , _ , _ ,	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_Igc
	tgt TrqOvlSta Per1 APARequest Cnt lgc
	tgt_TrqOvlSta_Per1_APAState_State_enum
	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESClsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESClsLimited_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_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_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
	tgt_TrqOvlSta_Per1_LKAState_State_enum tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
	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_ShiftLeverlsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_Igc
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
	0
0_ 1	0
	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0
0_ 1 0_	-781.01001
0_ 1	0
0_ 1	1051.59998
0_	0
	0
02 1 2 2 1 2 20	0
	1
0_ 1 0 0	0
	0
	8.10000038
	0.10000036
	0
	0
	138
	123.300003
	0
	0.109999999
tgt_11qOvi3ta_rei1_ros11aji1wAtigle_11wDeg_132.value	





Name	Input Value		
tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc.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				V
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

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TrqOvlSta_Per1



Name	Input Value		
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	2.6500001		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_Igo	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFa	aults Cnt Igc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults		
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	roo	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_	132	
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_f3	32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESClsLimited_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_APAMfgEnab	le Cnt lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnab		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnab		
tgt Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 HapticRequest Cnt Igc			
	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_Igc	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_MaxSecureVehicleSpe	ed_Kph_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpee	d_Kph_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lg	С	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwD	Deg f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgo		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwD		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f3		
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		
	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_TrqOvISta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.119999997		
tgt_TrqOvISta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	3.5999999		
	1		
tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc.value		Funcated Males	
Name	Actual Value	Expected Value	Resul
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	
TrqOvISta_Haptictime_Sec_M_f32	39495	39495 ± 1	
TrqOvISta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32	1.20000005	1.20000005 ± 0.000009	
TrqOvlOta_LKAFault_Cnt_M_lgc	1	1±1	
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	

TrqOvlSta_LKAPermFault_Cnt_M_u08

TrqOvlSta_LKAState_State_M_enum

3 ± 1

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				V
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
rqOvlSta_APAState_State_M_enum	4
rqOvlSta_ESCState_State_M_enum	2
rqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	42500
rqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	42500
rqOvlSta_ElapsedStandstillTime_Sec_M_f32	42500
rqOvlSta_HapticState_State_M_enum	2
rqOvlSta_Hapticdur_Cnt_M_u16	30074
rqOvlSta_Haptictime_Sec_M_f32	42500
rqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	1.29999995
rqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0460000001
FrqOvlSta_LKAFault_Cnt_M_lgc	0
rqOvlSta_LKAPermFault_Cnt_M_lgc	0
rqOvlSta_LKAPermFault_Cnt_M_u08	4
FrqOvlSta_LKAState_State_M_enum	4
rqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	28.7000008
rqOvlSta_ReadytoPulse_Cnt_M_lgc	0
_APAIncludeHaptic_Cnt_lgc	1
_APAMaxHwTrqTime_Sec_f32	0.882000029
_APAMaxHwTrq_HwNm_f32	3.51999998
_APAMaxVehSpd_Kph_f32	57.5999985
z_ESCMaxVehSpd_Kph_f32	90.6999969
_HapticAmplitude_MtrNm_f32	0.38999986
_HapticDuration_Sec_f32	0.314999998
_HapticFreq_Hz_f32	34.2999992
_HapticReacttime_Sec_f32	0.736000001
_LKAMaxVehSpd_Kph_f32	87.4000015
	80.5
	0.824999988
SWARLimiter HwDeg f32	37.2999992
 ShiftLevRevTime_Sec_f32	0.128999993
StandstillThresh Kph f32	1.20000005
StandstillTime Sec f32	0.120999999
gt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	2.3499999
gt Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 APADrvrInterventionDetected Cnt Ign	
gt Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 APANonRecoverableFaults Cnt Igc	tgt TrgOvlSta Per1 APANonRecoverableFaults Cnt Igc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
gt Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 APARequest Cnt Igc	tgt TrgOvlSta Per1 APARequest Cnt Igc
gt Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 APAState State enum	tgt TrgOvlSta Per1 APAState State enum
gt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_CCWFound_Cnt_Igc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
gt Rte Inst Ap TrqOvISta.TrqOvISta Per1 CCWPosition HwDeg f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
gt_Rte_Inst_Ap_TrqOvIsta.TrqOvIsta_Per1_CWFound_Cnt_Igc	tgt_TrqOviSta_Per1_CWFound_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_CWPosition_HwDeg_f32	tgt_rrqOviSta_ret1_GWT oditio_cnt_igc tgt_rrqOviSta_ret1_GWT oditio_cnt_igc tgt_rrqOviSta_ret1_GWT oditio_cnt_igc
gt_Rte_inst_Ap_indovista.frqovista_ren_cwPosition_nwbeg_isz gt_Rte_inst_Ap_TrqOviSta.TrqOviSta_Per1_ESCFault_Cnt_lgc	tgt_frqOviSta_Fei1_GWF0sitioff_nwDeg_isz
gt_Rte_inst_Ap_Tridovista.Tridovista_ren_ESCrauit_Cint_igc gt_Rte_inst_Ap_TridoviSta.TridoviSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvISta_Per1_ESCIsLimited_Cnt_lgc
gt_Rte_inst_Ap_TrqOviSta.TrqOviSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvISta_Per1_ESCRequest_Cnt_Igc
gt_Rte_inst_Ap_TrqOviSta.TrqOviSta_PerT_ESCRequest_Cnt_igc gt_Rte_inst_Ap_TrqOviSta.TrqOviSta_PerT_ESCState_State_enum	tgt_TrqOvISta_Per1_ESCRequest_Cnt_igc tgt_TrqOvISta_Per1_ESCState_State_enum
gr_nre_mar_ap_mq0viota.mq0viota_rem_E000tate_otate_enum	rar_indoviora_reii_rocorare_orare_ennin

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Name	Input Value		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnal	ale Cat lac	
tgt Rte Inst Ap TrqOvISta.TrqOvISta Per1 GMOSH ESCMfgEnable Cnt Igc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_GMOSH_LKAMfgEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnat		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_Igc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lg		
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_MaxSecureVehicleSpe	ed_Kph_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpec	ed_Kph_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lo		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_Hwl	-	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_Igc	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_SWARTrgtAngReques		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_ tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f3		
tgt Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 TrqOscEnable Cnt Igc	tgt_TrqOviSta_Per1_TrqOscEnable_Cnt_lgr		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt TrqOvlSta_Fer1_TrqOscFreq Hz f32	•	
tgt TrqOviSta Per1 APANonRecoverableFaults Cnt Igc.value	0		
tgt_TrqOvISta_Per1_APARecoverableFaults_Cnt_Igc.value	0		
tgt TrqOvlSta Per1 APARequest Cnt Igc.value	0		
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0		
tgt TrgOvlSta 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 Igc.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 tgt TrqOvlSta Per1 PosTrajHwAngle HwDeg f32.value	0.129999995		
tgt TrqOvlSta Per1 SWARTrgtAngRequest HwDeg f32.value	5.5		
tgt_TrqOvISta_Per1_ShiftLeverIsInReverse_Cnt_Igc.value	0		
Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	- Toodit
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	1.2999995	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	V
TrqOvISta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	V
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0 4	0 ± 1	Ž
tgt_TrqOvlSta_Per1_APAState_State_enum.value tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	-
tgt_TrqOvISta_Per1_GMOSHOscillateState_State_enum.value	2	2	
tgt_TrqOvISta_Per1_LKAState_State_enum.value	4	4	-
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_Igc.value	0	0 ± 1	
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	28.7000008	28.7000008 ± 0.0009765625	~
tgt_TrqOviSta_Per1_TrqOscAmp_MtrNm_f32.value	0.38999986	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	-
<u> </u>			



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 TrgOvlSta Per1 CP1 CheckpointReached	1	Rte Call TrgOvlSta Per1 CP1 CheckpointReached	1	~

est Step 2.149 (Repeat Count = 1)	
lame	Input Value
te_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
tte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
rqOvlSta_APAState_State_M_enum	0
rqOvlSta_ESCState_State_M_enum	3
rqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	45505
rqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	45505
rqOvlSta_ElapsedStandstillTime_Sec_M_f32	45505
rqOvlSta_HapticState_State_M_enum	0
rqOvlSta_Hapticdur_Cnt_M_u16	31056
rqOvlSta_Haptictime_Sec_M_f32	45505
rqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	1.39999998
rqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0482000001
rqOvlSta_LKAFault_Cnt_M_lgc	1
rqOvlSta_LKAPermFault_Cnt_M_lgc	1
rqOvlSta_LKAPermFault_Cnt_M_u08	0
rqOvlSta_LKAState_State_M_enum	0
rqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	29.7999992
rqOvlSta_ReadytoPulse_Cnt_M_lgc	1
_APAIncludeHaptic_Cnt_lgc	0
_APAMaxHwTrqTime_Sec_f32	0.893000007
_APAMaxHwTrq_HwNm_f32	3.5999999
_APAMaxVehSpd_Kph_f32	59.4000015
_ESCMaxVehSpd_Kph_f32	96.1999969
_HapticAmplitude_MtrNm_f32	0.40999996
_HapticDuration_Sec_f32	0.330000013
HapticFreq_Hz_f32	35
HapticReacttime_Sec_f32	0.751999974
LKAMaxVehSpd_Kph_f32	89.3000031
LKAMinVehSpd_Kph_f32	82.25
MaxHapticReqTime_Sec_f32	0.839999974
SWARLimiter_HwDeg_f32	37.599985
_ShiftLevRevTime_Sec_f32	0.133000001
StandstillThresh_Kph_f32	1.24000001
StandstillTime_Sec_f32	0.125
st_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	2.5
t_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_Igo	
t Rte Inst Ap TrqOvISta.TrqOvISta Per1 APANonRecoverableFaults Cnt Igc	tgt_TrqOviSta_Per1_APANonRecoverableFaults_Cnt_lgc
t_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOviSta_Per1_APARecoverableFaults_Cnt_lgc
t_Rte_Inst_Ap_TrqOviota.TrqOviota_Fet1_AFARequest_Cnt_lgc	tgt_TrqOvIsta_Per1_APARequest_Cnt_lgc
pt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
pt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
pt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
pt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
pt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
pt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
t_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_Igc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
pt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_Igc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
t_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
t_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
pt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
t_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
gt_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_lg	c		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwD	eg_f32		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngReques	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_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_ESClsLimited_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_ShiftLeverlsInReverse_Cnt_lgc.value	1			
Name	Actual Value	Expected Value	Result	
TrqOvISta_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	~	
tet Terovilote Dead LIKAGETE Otete errors value	3	3	✓	
tgt_1rq0vi5ta_Per1_LKAState_State_enum.value	J			
tgt_TrqOviSta_Per1_tRAState_State_enum.value tgt_TrqOviSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	~	
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	1 0.140000001	0.140000001 ± 0.0009765625	~	
tgt_TrqOvlSta_Per1_LKAState_State_enum.value tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value tgt_TrqOvlSta_Per1_TrqOscEnable Cnt_lgc.value	1		· · · · · · · · · · · · · · · · · · ·	

Test Step Call Trace				V
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	~
Pte Call TraOvISta Per1 CP1 ChecknointReached	1	Rte Call TraOvISta Per1 CP1 ChecknointReached	1	-

35 ± 0.0009765625

35

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

 $tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value$

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Name	Input Value
	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
, = = = = = = = = = = = = = = = = = = =	0
	0
	1
	1
	30.8999996
, ,	1
_	0.903999984
	3.68000007
	61.2000008
	101.699997
	0.43000007
	0.34499999
	35.7000008
_ ·	0.768000007
	91.1999969
	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_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
	tgt_TrqOvlSta_Per1_APAState_State_enum
	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32 tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
	tgt_rrqOvlSta_ren_cwnound_on_gc
	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
	tgt_TrqOviSta_Per1_ESCRequest_Cnt_lgc
	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_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_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32 tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
	tgi_frqovista_rei1_frqoscried_nz_isz 0
	0
0_ 1	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	0 -621.409973





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_ShiftLeverlsInReverse_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	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

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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	0.44999988
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_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_TrqOvISta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_Igc	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_Igc	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_Igc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESClsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESClsLimited_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_Igc	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 TrqOvISta.TrqOvISta Per1 SWARTrgtAngRequest HwDeg f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 ShiftLeverlsInReverse Cnt Igc	tgt TrqOvlSta Per1 ShiftLeverIsInReverse Cnt Igc
tgt Rte Inst Ap TrqOvISta.TrqOvISta Perl TrqOscAmp MtrNm f32	tgt TrqOvlSta Per1 TrqOscAmp MtrNm f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_Igc	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_Igc.value	1
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	
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_TrqOvISta_Per1_MinSecureVehicleSpeed_Kph_f32.value	147.800003
tgt_TrqOvIsta_Per1_PosTrajEnable_Cnt_Igc.value	1
tgt_TrqOvISta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.159999996
tgt_TrqOvISta_Per1_PosTrajnwArigle_nwDeg_i32.value tgt_TrqOvISta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	
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Name	Input Value		
tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_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

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TrqOvlSta_Per1



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_APADrvrInterventionDe	tected_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFa	aults Cnt Igc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults		
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 TrqOviSta.TrqOviSta Per1 CWFound Cnt Igc		102	
	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc	2	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f3	02	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_Igc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESClsLimited_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_APAMfgEnab	le_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnab	le_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnabl	le_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgd	:	
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 Igc		
tgt Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 LKAInhibit Cnt Igc	tgt TrqOvlSta Per1 LKAlnhibit 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	ad Kab 522	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpee		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpee		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lg		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwD		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	;	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDe	eg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest	_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_	Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f3.		
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_TrqOviSta_Per1_APANonRecoverableFaults_Cnt_Igc.value	0		
tgt_TrqOvISta_Per1_APARecoverableFaults_Cnt_Igc.value	0		
tgt_TrqOvISta_Per1_APARequest_Cnt_Igc.value	0		
	0		
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value			
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_ESClsLimited_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_TrqOvISta_Per1_LKAFault_Cnt_lgc.value	0		
tgt_TrqOvISta_Per1_LKAInhibit_Cnt_lgc.value	0		
	0		
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value			
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_ShiftLeverlsInReverse_Cnt_Igc.value	0		
Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	-
TrqOvISta_ESCState_State_M_enum	0	0	•
TrqOvISta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	
TrqOvISta_ElapsedShiftLevRevTime_Sec_M_f32	0	0±1	
	0		
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32		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	~
Tra Oud Cha LIKA Dorma Fault Cost M. 1100	2	0.14	

TrqOvlSta_LKAPermFault_Cnt_M_u08

TrqOvlSta_LKAState_State_M_enum

3 ± 1

TrqOvlSta_Per1





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			V	
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	~

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
TrgOvISta APAState State M enum	4
TrgOvISta ESCState State M enum	1
TrgOvlSta ElapsedAPAMaxHwTrgTime Sec M f32	57525.3203
TrgOvlSta ElapsedShiftLevRevTime Sec M f32	57525.3203
TrgOvlSta ElapsedStandstillTime Sec M f32	57525.3203
TrgOvISta HapticState State M enum	1
TrgOvISta Hapticdur Cnt M u16	34984
TrgOvlSta Haptictime Sec M f32	57525.3203
TrgOvISta HwTorqueSV HwNm M Str.SV UIs f32	1.79999995
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.057
TrgOvlSta_HWT0IqueSv_HWT0I_W_Sti.R_OIS_IS2	1
TrgOvISta_LKAPermFault_Cnt_M_lgc	1
TrgOvISta_LKAPermFault_Cnt_M_igc TrgOvISta_LKAPermFault_Cnt_M_u08	4
TrgOvISta_LKAState State M enum	4
TrgOvISta_ExAState_state_ivi_entititit TrgOvISta_PosSrvoHwAngle_HwDeg_M_f32	34.2000008
0 _ 0	
TrqOvISta_ReadytoPulse_Cnt_M_lgc k APAIncludeHaptic Cnt lgc	1 0
	0.936999977
k_APAMaxHwTrqTime_Sec_f32	
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	0.38999986
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	0.89999976
k_SWARLimiter_HwDeg_f32	38.7999992
k_ShiftLevRevTime_Sec_f32	0.149000004
k_StandstillThresh_Kph_f32	1.3999998
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 Ig	
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
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
gt_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_Igc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESClsLimited_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_TrqOviSta_IrqOviSta_Per1_ESCState_State_enum tgt_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Per1_GMOSHOscillateState_State_enum	tgt_IrqOvlSta_Per1_ESCState_State_enum tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum

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Name	Input Value		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnab	le_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnab	le_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnab	le_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgd		
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_TrqOvISta.TrqOvISta_Per1_LKAInhibit_Cnt_Igc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_LKARequest_Cnt_Igc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc tgt_TrqOvlSta_Per1_LKAState_State_enum		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvISta_Per1_MaxSecureVehicleSpe		
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpee		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lg		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwE		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgd	;	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwD	eg_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_		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f3		
tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_TrqOscEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32 tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32		
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	1		
tgt TrqOvlSta Per1 APARequest Cnt Igc.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 tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1		
tgt_TrqOvISta_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 tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc.value	15		
Name	Actual Value	Expected Value	Result
		Expected Value	
TrgOvISta APAState State M enum	4	4	- Ttoouit
TrqOvlSta_APAState_State_M_enum TroOvlSta_ESCState_State_M_enum	4	0	✓ ✓
TrqOvlSta_APAState_State_M_enum TrqOvlSta_ESCState_State_M_enum TrqOvlSta_ElapsedAPAMaxHwTrqTime Sec M f32	0 0	4 0 0 ± 1	7 V
TrqOvlSta_ESCState_State_M_enum	0	0	
TrqOvlSta_ESCState_State_M_enum TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 0 ± 1	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
TrqOvlSta_ESCState_State_M_enum TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0 0 57525.3203	0 0 ± 1 57525.3203 ± 1	· · · · · · · · · · · · · · · · · · ·
TrqOvlSta_ESCState_State_M_enum TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32 TrqOvlSta_ElapsedStandstillTime_Sec_M_f32 TrqOvlSta_HapticState_State_M_enum TrqOvlSta_Hapticdur_Cnt_M_u16	0 0 57525.3203 0 1 34984	0 0±1 57525.3203±1 0±1 1 34984±1	· · · · · · · · · · · · · · · · · · ·
TrqOvlSta_ESCState_State_M_enum TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 TrqOvlSta_ElapsedShiffLevRevTime_Sec_M_f32 TrqOvlSta_ElapsedStandstillTime_Sec_M_f32 TrqOvlSta_HapticState_State_M_enum TrqOvlSta_Hapticdur_Cnt_M_u16 TrqOvlSta_Haptictime_Sec_M_f32	0 0 57525.3203 0 1 34984 57525.3203	0 0±1 57525.3203±1 0±1 1 34984±1 57525.3203±1	· · · · · · · · · · · · · · · · · · ·
TrqOvlSta_ESCState_State_M_enum TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 TrqOvlSta_ElapsedShiffLevRevTime_Sec_M_f32 TrqOvlSta_ElapsedStandstillTime_Sec_M_f32 TrqOvlSta_HapticState_State_M_enum TrqOvlSta_Hapticdur_Cnt_M_u16 TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	0 0 57525.3203 0 1 34984 57525.3203 1.79999995	0 0±1 57525.3203±1 0±1 1 34984±1 57525.3203±1 1.79999995±0.000009	· · · · · · · · · · · · · · · · · · ·
TrqOvlSta_ESCState_State_M_enum TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 TrqOvlSta_ElapsedShiffLevRevTime_Sec_M_f32 TrqOvlSta_ElapsedStandstillTime_Sec_M_f32 TrqOvlSta_HapticState_State_M_enum TrqOvlSta_Hapticdur_Cnt_M_u16 TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32 TrqOvlSta_LKAFault_Cnt_M_Igc	0 0 57525.3203 0 1 34984 57525.3203 1.79999995	0 0±1 57525.3203±1 0±1 1 34984±1 57525.3203±1 1.79999995±0.000009 1±1	· · · · · · · · · · · · · · · · · · ·
TrqOvlSta_ESCState_State_M_enum TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 TrqOvlSta_ElapsedShiffLevRevTime_Sec_M_f32 TrqOvlSta_ElapsedStandstillTime_Sec_M_f32 TrqOvlSta_HapticState_State_M_enum TrqOvlSta_Hapticdur_Cnt_M_u16 TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32 TrqOvlSta_LKAFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_lgc	0 0 57525.3203 0 1 34984 57525.3203 1.79999995 1	0 0 ± 1 57525.3203 ± 1 0 ± 1 1 34984 ± 1 57525.3203 ± 1 1.79999995 ± 0.000009 1 ± 1 1 ± 1	· · · · · · · · · · · · · · · · · · ·
TrqOvlSta_ESCState_State_M_enum TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 TrqOvlSta_ElapsedShiffLevRevTime_Sec_M_f32 TrqOvlSta_ElapsedStandstillTime_Sec_M_f32 TrqOvlSta_HapticState_State_M_enum TrqOvlSta_Hapticdur_Cnt_M_u16 TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32 TrqOvlSta_LKAFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_u08	0 0 57525.3203 0 1 34984 57525.3203 1.79999995	0 0±1 57525.3203±1 0±1 1 34984±1 57525.3203±1 1.79999995±0.000009 1±1	· · · · · · · · · · · · · · · · · · ·
TrqOvISta_ESCState_State_M_enum TrqOvISta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 TrqOvISta_ElapsedShiffLevRevTime_Sec_M_f32 TrqOvISta_ElapsedStandstillTime_Sec_M_f32 TrqOvISta_HapticState_State_M_enum TrqOvISta_Hapticdur_Cnt_M_u16 TrqOvISta_Haptictime_Sec_M_f32 TrqOvISta_Haptictime_Sec_M_f32 TrqOvISta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32 TrqOvISta_LKAFault_Cnt_M_lgc TrqOvISta_LKAPermFault_Cnt_M_lgc TrqOvISta_LKAPermFault_Cnt_M_u08 TrqOvISta_LKAState_State_M_enum	0 0 57525.3203 0 1 34984 57525.3203 1.79999995 1	0 0 ± 1 57525.3203 ± 1 0 ± 1 1 34984 ± 1 57525.3203 ± 1 1.79999995 ± 0.000009 1 ± 1 1 ± 1 4 ± 1	· · · · · · · · · · · · · · · · · · ·
TrqOvlSta_ESCState_State_M_enum TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 TrqOvlSta_ElapsedShiffLevRevTime_Sec_M_f32 TrqOvlSta_ElapsedStandstillTime_Sec_M_f32 TrqOvlSta_HapticState_State_M_enum TrqOvlSta_Hapticdur_Cnt_M_u16 TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32 TrqOvlSta_LKAFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_u08	0 0 57525.3203 0 1 34984 57525.3203 1.79999995 1	0 0 ±1 57525.3203 ± 1 0 ± 1 1 34984 ± 1 57525.3203 ± 1 1.79999995 ± 0.000009 1 ± 1 1 ± 1 4 ± 1 4	· · · · · · · · · · · · · · · · · · ·
TrqOvISta_ESCState_State_M_enum TrqOvISta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 TrqOvISta_ElapsedShiffLevRevTime_Sec_M_f32 TrqOvISta_ElapsedStandstillTime_Sec_M_f32 TrqOvISta_HapticState_State_M_enum TrqOvISta_Hapticdur_Cnt_M_u16 TrqOvISta_Haptictime_Sec_M_f32 TrqOvISta_Haptictime_Sec_M_f32 TrqOvISta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32 TrqOvISta_LKAFault_Cnt_M_lgc TrqOvISta_LKAPermFault_Cnt_M_lgc TrqOvISta_LKAPermFault_Cnt_M_u08 TrqOvISta_LKAState_State_M_enum TrqOvISta_PosSrvoHwAngle_HwDeg_M_f32	0 0 57525.3203 0 1 34984 57525.3203 1.79999995 1 1 4 4	0 0 ± 1 57525.3203 ± 1 0 ± 1 1 34984 ± 1 57525.3203 ± 1 1.79999995 ± 0.000009 1 ± 1 1 1 ± 1 4 ± 1 4 ± 1 4 0.180000007 ± 0.0009765625	· · · · · · · · · · · · · · · · · · ·
TrqOvISta_ESCState_State_M_enum TrqOvISta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 TrqOvISta_ElapsedShiffLevRevTime_Sec_M_f32 TrqOvISta_ElapsedStandstillTime_Sec_M_f32 TrqOvISta_HapticState_State_M_enum TrqOvISta_Hapticdur_Cnt_M_u16 TrqOvISta_Haptictime_Sec_M_f32 TrqOvISta_Haptictime_Sec_M_f32 TrqOvISta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32 TrqOvISta_LKAFault_Cnt_M_lgc TrqOvISta_LKAPermFault_Cnt_M_lgc TrqOvISta_LKAPermFault_Cnt_M_u08 TrqOvISta_LKAState_State_M_enum TrqOvISta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvISta_ReadytoPulse_Cnt_M_lgc	0 0 57525.3203 0 1 34984 57525.3203 1.79999995 1 1 4 4 0.180000007 1 0	0 0 ± 1 57525.3203 ± 1 0 ± 1 1 34984 ± 1 57525.3203 ± 1 1.79999995 ± 0.000009 1 ± 1 1 ± 1 4 ± 1 4 0.180000007 ± 0.0009765625 1 ± 1 0 ± 1 4	· · · · · · · · · · · · · · · · · · ·
TrqOvISta_ESCState_State_M_enum TrqOvISta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 TrqOvISta_ElapsedShiftLevRevTime_Sec_M_f32 TrqOvISta_ElapsedStandstillTime_Sec_M_f32 TrqOvISta_HapticState_State_M_enum TrqOvISta_Hapticdur_Cnt_M_u16 TrqOvISta_Haptictime_Sec_M_f32 TrqOvISta_Haptictime_Sec_M_f32 TrqOvISta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32 TrqOvISta_LKAFault_Cnt_M_lgc TrqOvISta_LKAPermFault_Cnt_M_lgc TrqOvISta_LKAPermFault_Cnt_M_u08 TrqOvISta_LKAState_State_M_enum TrqOvISta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvISta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvISta_Per1_APADrvrInterventionDetected_Cnt_lgc.value tgt_TrqOvISta_Per1_APAState_State_enum.value tgt_TrqOvISta_Per1_ESCState_State_enum.value	0 0 57525.3203 0 1 34984 57525.3203 1.79999995 1 1 4 4 0.180000007 1	0 0 ± 1 57525.3203 ± 1 0 ± 1 1 34984 ± 1 57525.3203 ± 1 1.79999995 ± 0.000009 1 ± 1 1 ± 1 4 ± 1 4 0.180000007 ± 0.0009765625 1 ± 1 0 ± 1 4	
TrqOvISta_ESCState_State_M_enum TrqOvISta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 TrqOvISta_ElapsedShiffLevRevTime_Sec_M_f32 TrqOvISta_ElapsedStandstillTime_Sec_M_f32 TrqOvISta_HapticState_State_M_enum TrqOvISta_Hapticdur_Cnt_M_u16 TrqOvISta_Haptictime_Sec_M_f32 TrqOvISta_Haptictime_Sec_M_f32 TrqOvISta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32 TrqOvISta_LKAFault_Cnt_M_lgc TrqOvISta_LKAPermFault_Cnt_M_lgc TrqOvISta_LKAPermFault_Cnt_M_u08 TrqOvISta_LKAPstate_State_M_enum TrqOvISta_LKAState_State_M_enum TrqOvISta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvISta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvISta_Per1_APADrvrInterventionDetected_Cnt_lgc.value tgt_TrqOvISta_Per1_APAState_State_enum.value tgt_TrqOvISta_Per1_GMOSHOscillateState_State_enum.value	0 0 57525.3203 0 1 34984 57525.3203 1.79999995 1 1 4 4 0.180000007 1 0 4	0 0 ± 1 57525.3203 ± 1 0 ± 1 1 34984 ± 1 57525.3203 ± 1 1.79999995 ± 0.000009 1 ± 1 1 ± 1 4 ± 1 4 0.180000007 ± 0.0009765625 1 ± 1 0 ± 1 4	· · · · · · · · · · · · · · · · · · ·
TrqOvISta_ESCState_State_M_enum TrqOvISta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 TrqOvISta_ElapsedShiftLevRevTime_Sec_M_f32 TrqOvISta_ElapsedStandstillTime_Sec_M_f32 TrqOvISta_HapticState_State_M_enum TrqOvISta_Hapticdur_Cnt_M_u16 TrqOvISta_Haptictime_Sec_M_f32 TrqOvISta_Haptictime_Sec_M_f32 TrqOvISta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32 TrqOvISta_LKAFault_Cnt_M_lgc TrqOvISta_LKAPermFault_Cnt_M_lgc TrqOvISta_LKAPermFault_Cnt_M_u08 TrqOvISta_LKAPermFault_Cnt_M_u08 TrqOvISta_LKAState_State_M_enum TrqOvISta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvISta_PesovHwAngle_HwDeg_M_f32 TrqOvISta_Per1_APADrvrInterventionDetected_Cnt_lgc.value tgt_TrqOvISta_Per1_APAState_State_enum.value tgt_TrqOvISta_Per1_BGMOSHOscillateState_State_enum.value tgt_TrqOvISta_Per1_GMOSHOscillateState_enum.value tgt_TrqOvISta_Per1_LKAState_State_enum.value	0 0 57525.3203 0 1 34984 57525.3203 1.79999995 1 1 4 4 0.180000007 1 0 4	0 0±1 57525.3203±1 0±1 1 34984±1 57525.3203±1 1.79999995±0.000009 1±1 1±1 4±1 4±1 4 0.180000007±0.0009765625 1±1 0±1	
TrqOvISta_ESCState_State_M_enum TrqOvISta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 TrqOvISta_ElapsedShiftLevRevTime_Sec_M_f32 TrqOvISta_ElapsedStandstillTime_Sec_M_f32 TrqOvISta_HapticState_State_M_enum TrqOvISta_Hapticime_Sec_M_f32 TrqOvISta_Haptictime_Sec_M_f32 TrqOvISta_Haptictime_Sec_M_f32 TrqOvISta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32 TrqOvISta_LKAFault_Cnt_M_lgc TrqOvISta_LKAPermFault_Cnt_M_lgc TrqOvISta_LKAPermFault_Cnt_M_u08 TrqOvISta_LKAPermFault_Cnt_M_u08 TrqOvISta_LKAState_State_M_enum TrqOvISta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvISta_PeadytoPulse_Cnt_M_lgc tgt_TrqOvISta_Per1_APADrvrInterventionDetected_Cnt_lgc.value tgt_TrqOvISta_Per1_APAState_State_enum.value tgt_TrqOvISta_Per1_BGOSHOscillateState_State_enum.value tgt_TrqOvISta_Per1_GMOSHOscillateState_State_enum.value tgt_TrqOvISta_Per1_LKAState_State_enum.value tgt_TrqOvISta_Per1_DosServEnable_Cnt_lgc.value	0 0 57525.3203 0 1 34984 57525.3203 1.79999995 1 1 4 4 0.180000007 1 0 4	0 0±1 57525.3203±1 0±1 1 34984±1 57525.3203±1 1.79999995±0.000009 1±1 1±1 4±1 4 0.180000007±0.0009765625 1±1 0±1 4 0	
TrqOvISta_ESCState_State_M_enum TrqOvISta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 TrqOvISta_ElapsedShiftLevRevTime_Sec_M_f32 TrqOvISta_ElapsedStandstillTime_Sec_M_f32 TrqOvISta_HapticState_State_M_enum TrqOvISta_Hapticdur_Cnt_M_u16 TrqOvISta_Haptictime_Sec_M_f32 TrqOvISta_Haptictime_Sec_M_f32 TrqOvISta_Haptictime_Sec_M_f32 TrqOvISta_LKAFault_Cnt_M_lgc TrqOvISta_LKAFault_Cnt_M_lgc TrqOvISta_LKAPermFault_Cnt_M_lgc TrqOvISta_LKAPermFault_Cnt_M_u08 TrqOvISta_LKAPermFault_Cnt_M_u08 TrqOvISta_LKAState_State_M_enum TrqOvISta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvISta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvISta_Per1_APADrvrInterventionDetected_Cnt_lgc.value tgt_TrqOvISta_Per1_APAState_State_enum.value tgt_TrqOvISta_Per1_BCState_State_enum.value tgt_TrqOvISta_Per1_GMOSHOscillateState_State_enum.value tgt_TrqOvISta_Per1_DesSrveHable_Cnt_lgc.value tgt_TrqOvISta_Per1_PosServEnable_Cnt_lgc.value tgt_TrqOvISta_Per1_PosServEnable_Cnt_lgc.value	0 0 57525.3203 0 1 34984 57525.3203 1.79999995 1 1 4 4 0.180000007 1 0 4 1	0 0 ± 1 57525.3203 ± 1 0 ± 1 1 34984 ± 1 57525.3203 ± 1 1.79999995 ± 0.000009 1 ± 1 1 ± 1 4 ± 1 4 0.180000007 ± 0.0009765625 1 ± 1 0 ± 1 4 0 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1	
TrqOvISta_ESCState_State_M_enum TrqOvISta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 TrqOvISta_ElapsedShiftLevRevTime_Sec_M_f32 TrqOvISta_ElapsedStandstillTime_Sec_M_f32 TrqOvISta_HapticState_State_M_enum TrqOvISta_Hapticdur_Cnt_M_u16 TrqOvISta_Haptictime_Sec_M_f32 TrqOvISta_Haptictime_Sec_M_f32 TrqOvISta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32 TrqOvISta_LKAFault_Cnt_M_lgc TrqOvISta_LKAPermFault_Cnt_M_lgc TrqOvISta_LKAPermFault_Cnt_M_u08 TrqOvISta_LKAPermFault_Cnt_M_u08 TrqOvISta_LKAState_State_M_enum TrqOvISta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvISta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvISta_Per1_APADrvrInterventionDetected_Cnt_lgc.value tgt_TrqOvISta_Per1_APAState_State_enum.value tgt_TrqOvISta_Per1_ESCState_State_enum.value tgt_TrqOvISta_Per1_GMOSHOscillateState_State_enum.value tgt_TrqOvISta_Per1_DesServEnable_Cnt_lgc.value tgt_TrqOvISta_Per1_PosServEnable_Cnt_lgc.value tgt_TrqOvISta_Per1_PosServEnable_Cnt_lgc.value tgt_TrqOvISta_Per1_PosSrvoHwAngle_HwDeg_f32.value tgt_TrqOvISta_Per1_TrqOscAmp_MtrNm_f32.value	0 0 57525.3203 0 1 34984 57525.3203 1.79999995 1 1 4 4 0.180000007 1 0 4 1 0.180000007 0.180000007 0.49000001	0 0 ± 1 57525.3203 ± 1 0 ± 1 1 34984 ± 1 57525.3203 ± 1 1.79999995 ± 0.000009 1 ± 1 1 ± 1 4 ± 1 4 0.180000007 ± 0.0009765625 1 ± 1 0 ± 1 4 1 ± 1 0.180000007 ± 0.0009765625 0.49000001 ± 0.0009765625	
TrqOvISta_ESCState_State_M_enum TrqOvISta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 TrqOvISta_ElapsedShiftLevRevTime_Sec_M_f32 TrqOvISta_ElapsedStandstillTime_Sec_M_f32 TrqOvISta_HapticState_State_M_enum TrqOvISta_Hapticdur_Cnt_M_u16 TrqOvISta_Haptictime_Sec_M_f32 TrqOvISta_Haptictime_Sec_M_f32 TrqOvISta_Haptictime_Sec_M_f32 TrqOvISta_LKAFault_Cnt_M_lgc TrqOvISta_LKAFault_Cnt_M_lgc TrqOvISta_LKAPermFault_Cnt_M_lgc TrqOvISta_LKAPermFault_Cnt_M_u08 TrqOvISta_LKAPermFault_Cnt_M_u08 TrqOvISta_LKAState_State_M_enum TrqOvISta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvISta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvISta_Per1_APADrvrInterventionDetected_Cnt_lgc.value tgt_TrqOvISta_Per1_APAState_State_enum.value tgt_TrqOvISta_Per1_BCState_State_enum.value tgt_TrqOvISta_Per1_GMOSHOscillateState_State_enum.value tgt_TrqOvISta_Per1_DesSrveHable_Cnt_lgc.value tgt_TrqOvISta_Per1_PosServEnable_Cnt_lgc.value tgt_TrqOvISta_Per1_PosServEnable_Cnt_lgc.value	0 0 57525.3203 0 1 34984 57525.3203 1.79999995 1 1 4 4 0.180000007 1 0 4 1	0 0 ± 1 57525.3203 ± 1 0 ± 1 1 34984 ± 1 57525.3203 ± 1 1.79999995 ± 0.000009 1 ± 1 1 ± 1 4 ± 1 4 0.180000007 ± 0.0009765625 1 ± 1 0 ± 1 4 0 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1	



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	~

est Step 2.154 (Repeat Count = 1)	
lame	Input Value
tte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
tte_Inst_Ap_TrqOvISta	tgt_Rte_Inst_Ap_TrqOvlSta
rqOvlSta_APAState_State_M_enum	0
rqOvlSta_ESCState_State_M_enum	3
rqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	60530
rqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	60530
rqOvlSta_ElapsedStandstillTime_Sec_M_f32	60530
rqOvlSta_HapticState_State_M_enum	2
rqOvlSta_Hapticdur_Cnt_M_u16	35966
rqOvlSta_Haptictime_Sec_M_f32	60530
rqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	1.8999998
rqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0592
rqOvlSta_LKAFault_Cnt_M_lgc	0
rqOvlSta_LKAPermFault_Cnt_M_lgc	0
rqOvlSta_LKAPermFault_Cnt_M_u08	0
rqOvlSta_LKAState_State_M_enum	0
rqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	35.2999992
rqOvlSta_ReadytoPulse_Cnt_M_lgc	0
_APAIncludeHaptic_Cnt_lgc	1
_APAMaxHwTrqTime_Sec_f32	0.948000014
_APAMaxHwTrq_HwNm_f32	4
_APAMaxVehSpd_Kph_f32	68.4000015
_ESCMaxVehSpd_Kph_f32	110.199997
_HapticAmplitude_MtrNm_f32	0.5099999
_HapticDuration_Sec_f32	0.405000001
_HapticFreq_Hz_f32	38.5
_HapticReacttime_Sec_f32	0.832000017
LKAMaxVehSpd_Kph_f32	98.8000031
_LKAMinVehSpd_Kph_f32	91
MaxHapticReqTime_Sec_f32	0.915000021
_SWARLimiter_HwDeg_f32	0
ShiftLevRevTime_Sec_f32	0.152999997
StandstillThresh_Kph_f32	1.44000006
_StandstillTime_Sec_f32	0.144999996
gt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	3.54999995
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_Igo	
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOviSta_Per1_APANonRecoverableFaults_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_Igc	tgt_TrqOviSta_Per1_APARecoverableFaults_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_Igc	tgt_TrqOviSta_Per1_APARequest_Cnt_lgc
t_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
gt_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Per1_CCWFound_Cnt_Igc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
pt_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Fe1_CCWPosition_HwDeg_f32	tgt_rrq0vlSta_Per1_CGWroulid_Clit_lgc tgt_rrq0vlSta_Per1_CGWroulid_Clit_lgc tgt_rrq0vlSta_Per1_CGWroulid_Clit_lgc
pt_Rte_Inst_Ap_TrqOviSta_TrqOviSta_Per1_CCWFound_Cnt_lgc	
pt Rte Inst Ap TrqOvISta.TrqOvISta Per1 CWPosition HwDeg f32	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
gt_Rte_inst_Ap_rrigOviSta_rerr_CvvPosition_nwbeg_is2 gt_Rte_Inst_Ap_rrigOviSta_rerr_EsCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_Igc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_Igc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
t_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
t_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
pt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
gt_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_l	gc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_Hw	Deg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f3	2 tgt_TrqOvlSta_Per1_SWARTrgtAngReque	st_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInRevers	e_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_le	gc	
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 Igc.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 Igc.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 Igc.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_Igc.value	0		
Name	Actual Value	Expected Value	Result
TrqOvISta_APAState_State_M_enum	4	4	- Nooule
TrqOvISta_ESCState_State_M_enum	4	4	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	
TrqOvISta_LiapsedShiftLevRevTime Sec M f32	0	0±1	_
TrqOvISta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	
	2	2	
TrqOvISta_HapticState_State_M_enum	35966	35966 ± 1	
TrqOvISta_Hapticdur_Cnt_M_u16	0	0 ± 1	
TrqOvISta_Haptictime_Sec_M_f32			
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32	1.89999998	1.89999998 ± 0.000009 0 ± 1	
TrqOvISta_LKAFault_Cnt_M_lgc	0	0 ± 1	
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	
	-		
TrqOvlSta_LKAPermFault_Cnt_M_u08 TrqOvlSta_LKAState_State_M_enum TrgOvlSta_ResSpecific Allege M_ #22	4	4	•
TrqOvlSta_LKAState_State_M_enum TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	4 35.2999992	4 35.2999992 ± 0.0009765625	~
TrqOvlSta_LKAState_State_M_enum TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvlSta_ReadytoPulse_Cnt_M_lgc	4 35.2999992 0	4 35.2999992 ± 0.0009765625 0 ± 1	•
TrqOvISta_LKAState_State_M_enum TrqOvISta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvISta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvISta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	4 35.2999992 0 0	4 35.2999992 ± 0.0009765625 0 ± 1 0 ± 1	
TrqOvlSta_LKAState_State_M_enum TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvlSta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value tgt_TrqOvlSta_Per1_APAState_State_enum.value	4 35.2999992 0 0 4	4 35.2999992 ± 0.0009765625 0 ± 1 0 ± 1 4	
TrqOvlSta_LKAState_State_M_enum TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvlSta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value tgt_TrqOvlSta_Per1_APAState_State_enum.value tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4 35.2999992 0 0 4 4	4 35.2999992 ± 0.0009765625 0 ± 1 0 ± 1 4	
TrqOvlSta_LKAState_State_M_enum TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvlSta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value tgt_TrqOvlSta_Per1_APAState_State_enum.value tgt_TrqOvlSta_Per1_ESCState_State_enum.value tgt_TrqOvlSta_Per1_GMOSHOScillateState_enum.value	4 35.2999992 0 0 4 4 2	4 35.2999992 ± 0.0009765625 0 ± 1 0 ± 1 4 4	
TrqOvlSta_LKAState_State_M_enum TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvlSta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value tgt_TrqOvlSta_Per1_APAState_State_enum.value tgt_TrqOvlSta_Per1_ESCState_State_enum.value tgt_TrqOvlSta_Per1_GMOSHOscillateState_enum.value tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4 35.2999992 0 0 4 4 2	4 35.2999992 ± 0.0009765625 0 ± 1 0 ± 1 4 4 2	
TrqOvlSta_LKAState_State_M_enum TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvlSta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value tgt_TrqOvlSta_Per1_APAState_State_enum.value tgt_TrqOvlSta_Per1_ESCState_State_enum.value tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value tgt_TrqOvlSta_Per1_LKAState_State_enum.value tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4 35.2999992 0 0 4 4 2 4 0	4 35.2999992 ± 0.0009765625 0 ± 1 0 ± 1 4 4 2 4 0 ± 1	
TrqOvlSta_LKAState_State_M_enum TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvlSta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value tgt_TrqOvlSta_Per1_APAState_State_enum.value tgt_TrqOvlSta_Per1_ESCState_State_enum.value tgt_TrqOvlSta_Per1_GMOSHOScillateState_State_enum.value tgt_TrqOvlSta_Per1_LKAState_State_enum.value tgt_TrqOvlSta_Per1_LKAState_State_enum.value tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	4 35.2999992 0 0 4 4 2 4 0 35.2999992	4 35.2999992 ± 0.0009765625 0 ± 1 0 ± 1 4 4 2 4 0 ± 1 35.2999992 ± 0.0009765625	
TrqOvlSta_LKAState_State_M_enum TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvlSta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value tgt_TrqOvlSta_Per1_APAState_State_enum.value tgt_TrqOvlSta_Per1_ESCState_State_enum.value tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value tgt_TrqOvlSta_Per1_LKAState_State_enum.value tgt_TrqOvlSta_Per1_LKAState_State_enum.value tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	4 35.2999992 0 0 4 4 4 2 4 0 35.2999992 0.50999999	4 35.2999992 ± 0.0009765625 0 ± 1 0 ± 1 4 4 2 4 0 ± 1 35.2999992 ± 0.0009765625 0.50999999 ± 0.0009765625	
TrqOvlSta_LKAState_State_M_enum TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvlSta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value tgt_TrqOvlSta_Per1_APAState_State_enum.value tgt_TrqOvlSta_Per1_ESCState_State_enum.value tgt_TrqOvlSta_Per1_GMOSHOScillateState_State_enum.value tgt_TrqOvlSta_Per1_LKAState_State_enum.value tgt_TrqOvlSta_Per1_LKAState_State_enum.value tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	4 35.2999992 0 0 4 4 2 4 0 35.2999992	4 35.2999992 ± 0.0009765625 0 ± 1 0 ± 1 4 4 2 4 0 ± 1 35.2999992 ± 0.0009765625	

Test Step Call Trace			V	
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 TrgOvlSta Per1 CP1 CheckpointReached	1	Rte Call TrgOvISta Per1 CP1 ChecknointReached	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

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Name	Input Value
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	63535
TrqOvISta_ElapsedStandstillTime_Sec_M_f32	63535 63535
TrqOvISta_EtapsedStartdstill*Time_Sec_ivi_132 TrqOvISta HapticState State M enum	0
TrqOvISta_Hapticdur_Cnt_M_u16	36948
TrqOvISta Haptictime Sec M f32	63535
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	2
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0614
TrqOvISta_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	115.59998
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 92.75
k_LKAMinVehSpd_Kph_f32	0.93000007
k_MaxHapticReqTime_Sec_f32 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	3.5499995
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_Igo	
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_ESClsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESClsLimited_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_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_Igc	tgt_TrqOvISta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_HwTorque_HwNm_f32	tgt_TrqOvISta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta Per1_LKAInhibit_Cnt_Igc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvIsta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvISta_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_ShiftLeverlsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_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





Name	Input Value		
tgt_TrqOvlSta_Per1_ESClsLimited_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_ShiftLeverlsInReverse_Cnt_lgc.value	1		
Name	Actual Value	Expected Value	Resul
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	
k, APAMaxHwTrq_HwNm_f32 4.1599985 k, APAMaxVehSpd_Kph_f32 72 k, ESCMaxVehSpd_Kph_f32 121 k, Haptic-Amplitude_MirNm_f32 0.550000012 k, Haptic-Factoring_Sec_f32 0.455000002 k, Haptic-Factoring_Sec_f32 0.850000015 k, Haptic-Factoring_Sec_f32 0.864000022 k, LKAMinvehSpd_Kph_f32 10.2599998 k, LKAMinvehSpd_Kph_f32 94.5 k, MaxLminter_HwDeg_f32 30.2999992 k, SandstillTime_Sec_f32 0.160999988 k, StandstillTime_Sec_f32 0.16099998 k, StandstillTime_Sec_f32 0.15299997 k, StandstillTime_Sec_f32 0.152999997 k, StandstillTime_Sec_f32 0.152999997 k, StandstillTime_Sec_f32 0.152999999 k, StandstillTime_Sec_f32 0.152999997 k, StandstillTime_Sec_f32 0.152999999 k, StandstillTime_Sec_f32 0.152999999 k, StandstillTime_Sec_f61 0.152999997 tgl. Rie_Inst.Ap_TrqOviSta_TrqOviSta_Per1_APADornecoverableFaults_Cnl_lgc tgl. TrqOviSta_Per1_APANonRecoverableFaults_Cnl_lgc tgl. Rie_Inst.Ap_TrqOviSta_TrqOviSta_Per1_APARecoverableF	
k_APAMaxVehSpd_Kph_f32 72 k_ESCMaxVehSpd_Kph_f32 121 k_Hapitchmittined_Minn_f32 0.550000012 k_Hapitchuration_See_f32 0.435000002 k_Hapitchreq_htz_f32 39.9000015 k_Hapitchreq_htz_f32 0.844000022 k_LHAMaxVehSpd_Kph_f32 102.599998 k_LKAMinVehSpd_Kph_f32 102.599998 k_LKAMinVehSpd_Kph_f32 94.5 k_MaxHapitcheqTime_See_f32 0.94499993 k_Standstill*Thresh_Kph_f32 0.94499993 k_Standstill*Time_See_f32 0.160999998 k_Standstill*Time_See_f32 0.160999998 k_Standstill*Time_See_f32 0.160999998 k_Standstill*Time_See_f32 0.160999998 k_Standstill*Time_See_f32 0.15299997 k_Standstill*Time_See_f32 0.152999998 k_Standstill*Time_See_f32 0.152999998 k_Standstill*Time_See_f32 0.152999999 k_Standstill*Time_See_f32 0.152999999 k_Standstill*Time_See_f32 0.152999999 k_Standstill*Time_See_f32 0.152999999 k_Standstill*Time_See_f32 0.152999997	
k_ESCMaxVehSpd_Kph_f32 121 k_HapitoAmplitude_Min/m_f32 0.550000012 k_HapitoChandinude_Min/m_f32 0.45000002 k_HapitoFeq_Hz_f32 0.45000002 k_HapitoFeq_Hz_f32 0.8604000022 k_HApitoFeq_Hz_f32 0.8604000022 k_LKAMAXVehSpd_Kph_f32 102.599998 k_LKAMAXVehSpd_Kph_f32 94.5 k_MaxHapitoReqTime_Sec_f32 0.944999993 k_MaxHapitoReqTime_Sec_f32 0.944999993 k_StandstillTries_HvDeg_f32 0.160999998 k_StandstillTries_Dec_f132 0.160999998 k_StandstillTries_Dec_f122 0.160999998 k_StandstillTries_Dec_f122 0.152999997 tg_Re_call_Ap_TrqOvIsta_Fral_APADrivrinterventionDetected_Cnt_lgc tgl_Re_lins_LAp_TrqOvIsta_TrqOvIsta_Perl_APADrivrinterventionDetected_Cnt_lgc tgl_Re_linst_Ap_TrqOvIsta_TrqOvIsta_Perl_APARocoverableFaults_Cnt_lgc tgl_TrqOvIsta_Perl_APANoRecoverableFaults_Cnt_lgc tgl_Re_linst_Ap_TrqOvIsta_TrqOvIsta_Perl_APARecoverableFaults_Cnt_lgc tgl_TrqOvIsta_Perl_APARecoverableFaults_Cnt_lgc tgl_Re_linst_Ap_TrqOvIsta_TrqOvIsta_Perl_APARete_tract_enum tgl_TrqOvIsta_Perl_APARequest_Cnt_lgc tgl_Re_linst_Ap_TrqOvIsta_TrqOvIsta_Perl_CWPosition_HwDeg_f32 tgl_TrqOvIst	
k. HapticPuration, Sec. f32 k. HapticPreq. ltz, f32 k. HapticReacttime, Sec, f32 k. LKAMixVehSpd, kph, f32 k. SwartLimiter, HvDeg, f32 k. SwartLimiter, HvDeg, f32 k. SwartLimiter, HvDeg, f32 k. StandstillTime, Sec, f32 k. Standsti	
k_HapticPouration_Sec_f32 k_HapticPreq_Hz_f32 k_HapticPreq_Hz_f32 k_HapticReacttime_Sec_f32 k_LkKAMaxVenSpd_Kph_f32 l0.864000022 k_LKAMaxVenSpd_Kph_f32 l0.944999933 k_SWARLimiter_HwDeg_f32 l0.944999933 k_SWARLimiter_HwDeg_f32 l0.94999932 k_ShiftLevRevTime_Sec_f32 l0.16099998 k_StandstillTime_Sec_f32 l0.16099998 k_StandstillTime_Sec_f32 l0.160999998 l0.160999998 l0.160999998 l0.160999998 l0.16099999999999999999999999999999999999	
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k_HapticReacttime_Sec_f32 0.864000022 k_LKAMinVehSpd_Kph_f32 102.599998 k_LKAMinVehSpd_Kph_f32 94.5 k_MaxHapticReqTime_Sec_f32 0.944999993 k_SWARLimiter_HwDeg_f32 30.2999992 k_StindstillTime_Sec_f32 0.160999998 k_StandstillTime_Sec_f32 0.160999998 k_StandstillTime_Sec_f32 0.152999997 k_StandstillTime_Vall k_StandstillTim	
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_StandstillTimesh_Kph_f32 1.51999999 k_StandstillTime_Sec_f32 0.152999997 tgl_Rte_Call_Ap_TrqOviSta_Faultinjection_SCom_FitInjection_Sign 4.1500001 tgl_Rte_lnst_Ap_TrqOviSta_ForOviSta_Perl_APANDrenterventionDetected_Cnt_lgc tgl_TrqOviSta_Perl_APANDrecoverableFaults_Cnt_lgc tgl_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Perl_APANDrecoverableFaults_Cnt_lgc tgl_TrqOviSta_Perl_APANDrecoverableFaults_Cnt_lgc tgl_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Perl_APARecoverableFaults_Cnt_lgc tgl_TrqOviSta_Perl_APARequest_Cnt_lgc tgl_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Perl_APAState_State_enum tgl_TrqOviSta_Perl_APARequest_Cnt_lgc tgl_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Perl_CWPound_Cnt_lgc tgl_TrqOviSta_Perl_CWPound_Cnt_lgc tgl_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Perl_CWPound_Cnt_lgc tgl_TrqOviSta_Perl_CWPound_Cnt_lgc tgl_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Perl_ESCFault_Cnt_lgc tgl_TrqOviSta_Perl_CWPosition_HwDeg_f32 tgl_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Perl_ESCFault_Cnt_lgc tgl_TrqOviSta_Perl_ESCPault_Cnt_lgc tgl_Rte_Inst_Ap_TrqOv	
k_IKAMinVehSpd_Kph_f32 k_MaxHapticReqTime_Sec_f32 k_SWARLimiter_HwDeg_f32 k_SMRLimiter_HwDeg_f32 k_ShiftLevReyTime_Sec_f32 k_ShiftLevReyTime_Sec_f32 k_StandstillThresh_Kph_f32 tgt_Rel_inst_Ap_TrqOviSta_TrqOviSta_Perl_APANonRecoverableFaults_Cnt_lgc tgt_Rte_Inst_Ap_TrqOviSta_Perl_APANenceoverableFaults_Cnt_lgc tgt_Rte_Inst_Ap_TrqOviSta_Perl_APARequest_Cnt_lgc tgt_Rte_Inst_Ap_TrqOviSta_TrqOviSta_Perl_APARequest_Cnt_lgc tgt_Rte_Inst_Ap_TrqOviSta_TrqOviSta_Perl_CCWFound_Cnt_lgc tgt_Rte_Inst_Ap_TrqOviSta_TrqOviSta_Perl_CWFound_Cnt_lgc tgt_Rte_Inst_Ap_TrqOviSta_TrqOviSta_Perl_ESCFault_Cnt_lgc tgt_Rte_Inst_Ap_TrqOviSta_TrqOviSta_Perl_ESCFault_Cnt_lgc tgt_Rte_Inst_Ap_TrqOviSta_TrqOviSta_Perl_ESCFault_Cnt_lgc tgt_Rte_Inst_Ap_TrqOviSta_TrqOviSta_Perl_ESCRequest_Cnt_lgc tgt_Rte_Inst_Ap_TrqOviSta_TrqOviSta_Perl_ESCState_State_enum tgt_Rte_Inst_Ap_TrqOviSta_TrqOviSta_Perl_ESCState_State_enum tgt_Rte_Inst_Ap_TrqOviSta_TrqOviSta_Perl_GMOSH_CAPAMgEnable_Cnt_lgc tgt_Rte_Inst_Ap_TrqOviSta_TrqOviSta_Perl_GMOSH_Calmagnable_Cnt_lgc tgt_Rte_Inst_Ap_TrqOviSta_TrqOviSta_Perl_GMOSH_ESCMfgEnable_Cnt_lgc tgt_Rte_Inst_Ap_TrqOviSta_TrqOviSta_Perl_GMOSH_ESCMfgEnable_Cnt_lgc tgt_Rte_Inst_Ap_TrqOviSta_TrqOviSta_Perl_GMOSH_ESCMfgEnable_Cnt_lgc tgt_Rte_Inst_Ap_TrqOviSta_TrqOviSta_Perl_GMOSH_ESCMfgEnable_Cnt_lgc tgt_TrqOviSta_Perl_GMOSH_ESCMfgEnable_Cnt_lgc tgt_TrqOviSta_Perl_HapticRequest_Cnt_lgc	
k_MaxHapticReqTime_Sec_f32 k_SiMRLimiter_HwDeg_f32 k_ShiftLevRevTime_Sec_f32 d_16999998 k_StandstillTime_Sec_f32 d_15999997 tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FitInjection_Sign tgt_Rte_Lost_Ap_TrqOvlSta_FaultInjection_SCom_FitInjection_Sign tgt_Rte_Lost_Ap_TrqOvlSta_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_APARcoverableFaults_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_APARcoverableFaults_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_APARcoverableFaults_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_APARcoverableFaults_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_APAState_State_enum tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_CcWFound_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_CcWFound_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_CcWFound_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_CcWFostion_HwDeg_f32 tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_CcWFostion_HwDeg_f32 tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_CcWFostion_HwDeg_f32 tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_EsCFault_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_EsCFault_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_EsCFault_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_EsCState_State_enum tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_ESCState_State_enum tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_ESCState_State_enum tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_GMOSH_DSCAllafenable_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_GMOSH_DSCAllafenable_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_GMOSH_DSCAllafenable_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_GMOSH_DSCAllafenable_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_GMOSH_DSCAllafenable_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_GMOSH_DSCAllafenable_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_GMOSH_DSCAllafenable_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_GMOSH_DSCAllafenable_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta_TrqO	
k_SWARLimiter_HwDeg_f32 k_StandstillTime_Sec_f32 k_StandstillTime_Sec_f32 k_StandstillTime_Sec_f32 k_StandstillTime_Sec_f32 tg_Re_Call_Ap_TrqOvlSta_Faulthjection_SCom_FitInjection_Sign tg_Re_Inst_Ap_TrqOvlSta_Faulthjection_SCom_FitInjection_Sign tg_Re_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_APADrivrInterventionDetected_Cnt_lgc tg_Re_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc tg_Re_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_APARequest_Cnt_lgc tg_Re_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_APARequest_Cnt_lgc tg_Re_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_APARequest_Cnt_lgc tg_Re_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_APAState_State_enum tg_Re_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_CWFound_Cnt_lgc tg_Re_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_CWFound_Cnt_lgc tg_Re_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_CWPosition_HwDeg_f32 tg_Re_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_CWPosition_HwDeg_f32 tg_Re_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_CWPosition_HwDeg_f32 tg_Re_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_ESCFault_Cnt_lgc tg_Re_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_ESCFault_Cnt_lgc tg_Re_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_ESCRequest_Cnt_lgc tg_Re_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_ESCRequest_Cnt_lgc tg_Re_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_ESCRequest_Cnt_lgc tg_Re_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_ESCState_State_enum tg_Re_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_ESCState_State_enum tg_Re_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_GMOSH_PAMfigEnable_Cnt_lgc tg_Re_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_GMOSH_APAMfigEnable_Cnt_lgc tg_Re_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_GMOSH_PAMfigEnable_Cnt_lgc tg_Re_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_GMOSH_ESCMfigEnable_Cnt_lgc tg_Re_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_GMOSH_ESCMfigEnable_Cnt_lgc tg_Re_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_GMOSH_ESCMfigEnable_Cnt_lgc tg_Re_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_GMOSH_ESCMfigEnable_Cnt_lgc tg_Re_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_GMOSH_ESCMfigEnable_Cnt_lgc tg_TrqOvlSta_Per1_HapticRequest_Cnt_lgc	
k_ShiftLevRevTine_Sec_f32 k_StandstillThresh_Kph_f32 tgt_Rte_Inst_Ap_TqOvlSta.TrqOvlSta_Perl_APADrivInterventionDetected_Cnt_lgc tgt_Rte_Inst_Ap_TqOvlSta.TrqOvlSta_Perl_APANonRecoverableFaults_Cnt_lgc tgt_Rte_Inst_Ap_TqOvlSta.TrqOvlSta_Perl_APARecoverableFaults_Cnt_lgc tgt_Rte_Inst_Ap_TqOvlSta.TrqOvlSta_Perl_APARecoverableFaults_Cnt_lgc tgt_Rte_Inst_Ap_TqOvlSta.TrqOvlSta_Perl_CWPosition_HwDeg_f32 tgt_Rte_Inst_Ap_TqOvlSta.TrqOvlSta_Perl_CWPosition_HwDeg_f32 tgt_Rte_Inst_Ap_TqOvlSta.TrqOvlSta_Perl_ESCFault_Cnt_lgc tgt_Rte_Inst_Ap_TqOvlSta.TrqOvlSta_Perl_ESCRequest_Cnt_lgc tgt_Rte_Inst_Ap_TqOvlSta.TrqOvlSta_Perl_ESCRequest_Cnt_lgc tgt_Rte_Inst_Ap_TqOvlSta.TrqOvlSta_Perl_GMOSH_DscillateState_state_enum tgt_Rte_Inst_Ap_TqOvlSta.TrqOvlSta_Perl_GMOSH_APAMfgEnable_Cnt_lgc tgt_Rte_Inst_Ap_TqOvlSta.TrqOvlSta_Perl_GMOSH_ERCMIGE_nable_Cnt_lgc tgt_Rte_Inst_Ap_TqOvlSta.TrqOvlSta_Perl_GMOSH_ERCMIGE_nable_Cnt_lgc tgt_Rte_Inst_Ap_TqOvlSta.TrqOvlSta_Perl_GMOSH_ERCMIGE_nable_Cnt_lgc tgt_Rte_Inst_Ap_TqOvlSta.TrqOvlSta_Perl_GMOSH_ERCMIGE_nable_Cnt_lgc tgt_Rte_Inst_Ap_TqOvlSta.TrqOvlSta_Perl_GMOSH_ERCMIGE_nable_Cnt_lgc tgt_Rte_Inst_	
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tgt_Rte_Inst_Ap_TrqOvISta_FaultInjection_SCom_FitInjection_Sign tgt_Rte_Inst_Ap_TrqOvISta_FaultInjection_SCom_FitInjection_Sign tgt_Rte_Inst_Ap_TrqOvISta_TrqOvISta_Per1_APADrvrInterventionDetected_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_APARecoverableFaults_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_APARecoverableFaults_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_APARequest_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_APARequest_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_APARequest_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_APAState_State_enum tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_CCWFound_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_CCWFound_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_CCWFound_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_CWFound_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_CWPosition_HwDeg_f32 tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_ESCFault_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_ESCFault_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_ESCFault_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_ESCRequest_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_ESCState_State_enum tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_GMOSHOScillateState_State_enum tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_GMOSHOScillateState_State_enum tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_GMOSH_APAMfgEnable_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_GMOSH_APAMfgEnable_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_GMOSH_ESCMfgEnable_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_GMOSH_ESCMfgEnable_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_GMOSH_LKAMfgEnable_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_HapticRequest_Cnt_Igc tgt_TrqOvISta_Per1_HapticRequest_Cnt_Igc tgt_TrqOvISta_Per1_HapticRequest_Cnt_Igc	
tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_APAState_State_enum tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_APAState_State_enum tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_CCWFound_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_CCWFound_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_CWFound_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_CWFound_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_ESCFault_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_ESCFault_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_ESCFault_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_ESCRequest_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_ESCState_State_enum tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_ESCState_State_enum tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_GMOSHOSHOSHIdeState_State_enum tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_GMOSHOSHOSHIdeState_State_enum tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_HapticRequest_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_HapticRequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvlSta_Per1_APARecoverableFaults_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvlSta_Per1_APARecoverableFaults_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32 tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_CWPosition_HwDeg_f32 tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_CWPosition_HwDeg_f32 tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_ESCFault_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_enum tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_state_enum tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_Igc tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_Igc tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_Igc tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_Igc tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_Igc tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_Igc tgt_TrqOvlSta_Per1_HapticRequest_Cnt_Igc tgt_TrqOvlSta_Per1_HapticRequest_Cnt_Igc	
tgt_Rte_Inst_Ap_TrqOvISta_Per1_APARequest_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvISta_Per1_APAState_State_enum tgt_Rte_Inst_Ap_TrqOvISta_Per1_CCWFound_Cnt_lgc tgt_TrqOvISta_Per1_CCWFound_Cnt_lgc tgt_TrqOvISta_Per1_CCWFound_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvISta_TrqOvISta_Per1_CCWFound_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvISta_TrqOvISta_Per1_CCWFound_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvISta_TrqOvISta_Per1_CCWFound_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvISta_TrqOvISta_Per1_CWFound_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvISta_TrqOvISta_Per1_CWFound_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvISta_TrqOvISta_Per1_ESCFault_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvISta_TrqOvISta_Per1_ESCFault_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvISta_TrqOvISta_Per1_ESCIS_Limited_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvISta_TrqOvISta_Per1_ESCRequest_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvISta_TrqOvISta_Per1_ESCState_State_enum tgt_Rte_Inst_Ap_TrqOvISta_TrqOvISta_Per1_ESCState_State_enum tgt_Rte_Inst_Ap_TrqOvISta_TrqOvISta_Per1_GMOSHOscillateState_State_enum tgt_Rte_Inst_Ap_TrqOvISta_TrqOvISta_Per1_GMOSH_APAMfgEnable_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvISta_TrqOvISta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvISta_TrqOvISta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvISta_TrqOvISta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvISta_TrqOvISta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvISta_TrqOvISta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvISta_TrqOvISta_Per1_HapticRequest_Cnt_lgc tgt_TrqOvISta_Per1_HapticRequest_Cnt_lgc	
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tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_CCWPosition_HwDeg_f32 tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_CWFound_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_CWFound_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_ESCFault_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_ESCFault_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_ESCRequest_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_ESCState_State_enum tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_ESCState_State_enum tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_GMOSHOscillateState_State_enum tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_HapticRequest_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_HapticRequest_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_HapticRequest_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_HapticRequest_Cnt_lgc	
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tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_ESCFault_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_ESCFault_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_ESCIsLimited_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_ESCIsLimited_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_ESCIsLimited_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_ESCState_State_enum tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_ESCState_State_enum tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_GMOSHOscillateState_State_enum tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_HapticRequest_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_HapticRequest_Cnt_Igc tgt_TrqOvlSta_Per1_HapticRequest_Cnt_Igc	
tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_ESCFault_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvlSta_Per1_ESCIsLimited_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_ESCIsLimited_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_ESCIsLimited_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_ESCRequest_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_ESCState_State_enum tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_GMOSHOscillateState_State_enum tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_HapticRequest_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_HapticRequest_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_HapticRequest_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_HapticRequest_Cnt_Igc	
tgt_Rte_Inst_Ap_TrqOvlSta_Per1_ESCIsLimited_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvlSta_Per1_ESCIsLimited_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvlSta_Per1_ESCRequest_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvlSta_Per1_ESCRequest_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvlSta_Per1_ESCState_State_enum tgt_Rte_Inst_Ap_TrqOvlSta_Per1_GMOSHOscillateState_State_enum tgt_Rte_Inst_Ap_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvlSta_Per1_HapticRequest_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvlSta_Per1_HapticRequest_Cnt_Igc	
tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_ESCRequest_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_ESCState_State_enum tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_ESCState_State_enum tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_GMOSHOscillateState_State_enum tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_GMOSHOscillateState_State_enum tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_HapticRequest_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_HapticRequest_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_HapticRequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_ESCState_State_enum tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_GMOSHOscillateState_State_enum tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_GMOSHOscillateState_State_enum tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_HapticRequest_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_GMOSHOscillateState_State_enum tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_GMOSHOscillateState_State_enum tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_HapticRequest_Cnt_lgc tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta_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_GMOSH_ESCMfgEnable_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta_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_Per1_GMOSH_LKAMfgEnable_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta_Per1_HapticRequest_Cnt_lgc tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta_Per1_HapticRequest_Cnt_lgc tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_LKAFault_Cnt_lgc tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta_Per1_LKAInhibit_Cnt_Igc tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_Igc	
tgt_Rte_Inst_Ap_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_Igc tgt_TrqOvlSta_Per1_PosServEnable_Cnt_Igc	
tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32 tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	
tgt_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_Prq_ShiffLeverlsInReverse_Cnt_Igc tgt_TrqOvlSta_Per1_ShiffLeverlsInReverse_Cnt_Igc	
tgt_Rte_Inst_Ap_TrqOvlSta_Prr1_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_Igc.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 Igc.value 0	
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value 0	
tgt TrqOvlSta Per1 ESCRequest Cnt Igc.value 0	
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_Igc.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_Igc.value 0	
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value 0.109999999	
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value 20.7000008	

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Name	Input Value		
tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc.value	0		
Name	Actual Value	Fymantad Value	Result
		Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	V
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

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TrqOvlSta_Per1

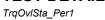


Name	Input Value		
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	4.30000019		
$tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgcolor=0.00000000000000000000000000000000000$	tgt_TrqOvlSta_Per1_APADrvrInterventionDe	tected_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFa		
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_Igc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f3	2	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_Igc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_ESCIsLimited_Cnt_Igc	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_		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnab		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnab tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnabl		
	tgt_TrqOvlSta_Fer1_GivlOSh_ERAWigErlabil		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32			
tgt Rte Inst Ap TrqOvISta.TrqOvISta Per LKAFault Cnt lgc	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32 tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc		
tgt Rte Inst Ap TrqOvISta.TrqOvISta Per LKAPauli_Chi_igc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_LKARequest_Crit_igc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt TrqOvlSta Per1 MaxSecureVehicleSpee	ed Kph f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpee	- · -	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lg		
tgt Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 PosSrvoHwAngle HwDeg f32	tgt TrqOvlSta Per1 PosSrvoHwAngle HwD		
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_HwDe		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f3:		
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 Igc.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_ESClsLimited_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_Igc.value	1		
Name	Actual Value	Expected Value	Resul
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_UIs_f32	2.20000005	2.20000005 ± 0.000009	•
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1±1	
TrqOvlSta LKAPermFault Cnt M lgc			
TIQOVISIA_ENAPEITIFAUIL_CITE_IVI_IGC	1	1 ± 1	
TrqOvISta_LKAPermFault_Cnt_M_u08	3	1 ± 1 3 ± 1	

3

3

 $TrqOvlSta_LKAState_State_M_enum$





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
TrgOvlSta ElapsedAPAMaxHwTrgTime Sec M f32	21465
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	21465
TrqOvlSta ElapsedStandstillTime Sec M f32	21465
TrqOvlSta_HapticState_State_M_enum	0
TrgOvlSta Hapticdur Cnt M u16	39894
TrgOvlSta Haptictime Sec M f32	21465
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	2.29999995
TrgOvlSta HwTorqueSV HwNm M Str.K UIs f32	0.0680000037
TrgOvlSta LKAFault Cnt M lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrgOvlSta LKAPermFault Cnt M u08	4
TrqOvlSta_LKAState_State_M_enum	4
TrgOvlSta PosSrvoHwAngle HwDeg M f32	90
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0
k APAIncludeHaptic Cnt Igc	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	50.099985
k ShiftLevRevTime Sec f32	0.169
k StandstillThresh Kph f32	1.67999995
k StandstillTime Sec f32	0.169
tgt Rte Call Ap TrgOvlSta FaultInjection SCom FltInjection Sign	4.44999981
tgt Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 APADrvrInterventionDetected Cnt Ig	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_trqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 APARecoverableFaults Cnt Igc	tgt_TrqOviSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 APAState State enum	tgt_TrqOvlSta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvISta_Per1_CCWFound_Cnt_lgc
tgt Rte Inst Ap TrqOvISta.TrqOvISta Per1 CCWPosition HwDeg f32	tgt_rrqOviSta_ren_ccwn ound_cnt_gc
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_CWFound_Cnt_Igc	tgt_TrqOvISta_Per1_CWFound_Cnt_lgc
tgt Rte Inst Ap TrqOvISta.TrqOvISta Per1 CWPosition HwDeg f32	tgt_frqOviSta_rein_cwround_cnt_gc tgt_frqOviSta_Peri_cwround_cnt_gc
tgt Rte Inst Ap TrqOvISta.TrqOvISta Per1 ESCFault Cnt Igc	tgt_rrqOviSta_rerr_cvvrosition_nwbeg_isz
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvISta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvIsta.TrqOvIsta_Per1_ESCRequest_Cnt_Igc	tgt_TrqOvISta_Per1_ESCRequest_Cnt_Igc
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_ESCRequest_Ont_igc	tgt_TrqOvISta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_ESGState_State_enum	tgt_TrqOvISta_Per1_ESGState_State_enum
ty_nte_inst_Ap_indoviota.indoviota_rein_dividondosciliateState_state_enum	IGN_TIMOVIDIA_F ELI_DIVIODEDOSCIIIALESLALE_SLALE_ELIUITI

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Name	Input Value		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnab	ole_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnat	ole Cnt Igc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnab		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lg		
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_MaxSecureVehicleSpe		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpee	ed_Kph_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lg	jc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_Hw[Deg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lg	c	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt TrqOvlSta Per1 PosTrajHwAngle HwD		
			
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngReques		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f3	32	
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_TrqOvISta_Per1_CWPosition_HwDeg_f32.value	1110.88		
	1.11		
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0		
tgt_TrqOvlSta_Per1_ESClsLimited_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		
	0		
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value			
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		
	0		
tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc.value			
Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	4	4	- - - -
TrgOvlSta 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	- ∨
TrgOvlSta Hapticdur Cnt M u16	39894	39894 ± 1	•
TrqOvlSta Haptictime Sec M f32			•
qoc.a_napaoamo_coo_m_102	0	0 + 1	
TraOvISta HwTorqueSV HwNm M Str SV 1116 122	0	0 ± 1	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32	2.44959998	2.44959998 ± 0.000009	•
TrqOvlSta_LKAFault_Cnt_M_lgc	2.44959998 0	2.44959998 ± 0.000009 0 ± 1	•
	2.44959998	2.44959998 ± 0.000009	•
TrqOvlSta_LKAFault_Cnt_M_lgc	2.44959998 0	2.44959998 ± 0.000009 0 ± 1	
TrqOviSta_LKAFault_Cnt_M_lgc TrqOviSta_LKAPermFault_Cnt_M_lgc TrqOviSta_LKAPermFault_Cnt_M_u08	2.44959998 0 0	2.44959998 ± 0.000009 0 ± 1 0 ± 1	
TrqOvlSta_LKAFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_u08 TrqOvlSta_LKAState_State_M_enum	2.44959998 0 0 4 4	2.44959998 ± 0.000009 0 ± 1 0 ± 1 4 ± 1	•
TrqOvlSta_LKAFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_u08 TrqOvlSta_LKAState_State_M_enum TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	2.44959998 0 0 4 4 90	2.44959998 ± 0.000009 0 ± 1 0 ± 1 4 ± 1 4 90 ± 0.0009765625	
TrqOvlSta_LKAFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_u08 TrqOvlSta_LKAState_State_M_enum TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvlSta_ReadytoPulse_Cnt_M_lgc	2.44959998 0 0 4 4 90 0	2.44959998 ± 0.000009 0 ± 1 0 ± 1 4 ± 1 4 90 ± 0.0009765625 0 ± 1	0
TrqOvlSta_LKAFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_u08 TrqOvlSta_LKAState_State_M_enum TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	2.44959998 0 0 4 4 90	2.44959998 ± 0.000009 0 ± 1 0 ± 1 4 ± 1 4 90 ± 0.0009765625	
TrqOvlSta_LKAFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_u08 TrqOvlSta_LKAState_State_M_enum TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvlSta_ReadytoPulse_Cnt_M_lgc	2.44959998 0 0 4 4 90 0	2.44959998 ± 0.000009 0 ± 1 0 ± 1 4 ± 1 4 90 ± 0.0009765625 0 ± 1	
TrqOvlSta_LKAFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_u08 TrqOvlSta_LKAState_State_M_enum TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvlSta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	2.44959998 0 0 4 4 90 0	2.44959998 ± 0.000009 0 ± 1 0 ± 1 4 ± 1 4 90 ± 0.0009765625 0 ± 1 0 ± 1	
TrqOvlSta_LKAFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_u08 TrqOvlSta_LKAState_State_M_enum TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvlSta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value tgt_TrqOvlSta_Per1_APAState_State_enum.value tgt_TrqOvlSta_Per1_ESCState_State_enum.value	2.44959998 0 0 4 4 90 0 0 4 4	2.44959998 ± 0.000009 0 ± 1 0 ± 1 4 ± 1 4 90 ± 0.0009765625 0 ± 1 0 ± 1 4	
TrqOvlSta_LKAFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_u08 TrqOvlSta_LKAState_State_M_enum TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvlSta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value tgt_TrqOvlSta_Per1_APAState_State_enum.value tgt_TrqOvlSta_Per1_ESCState_State_enum.value tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	2.44959998 0 0 4 4 90 0 0 4 4 4	2.44959998 ± 0.000009 0 ± 1 0 ± 1 4 ± 1 4 90 ± 0.0009765625 0 ± 1 0 ± 1 4	
TrqOvlSta_LKAFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_u08 TrqOvlSta_LKAState_State_M_enum TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvlSta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value tgt_TrqOvlSta_Per1_APAState_State_enum.value tgt_TrqOvlSta_Per1_ESCState_State_enum.value tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value tgt_TrqOvlSta_Per1_LKAState_State_enum.value	2.44959998 0 0 4 4 90 0 0 4 4 4 0	2.44959998 ± 0.000009 0 ± 1 0 ± 1 4 ± 1 4 90 ± 0.0009765625 0 ± 1 0 ± 1 4 4	
TrqOvlSta_LKAFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_u08 TrqOvlSta_LKAState_State_M_enum TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvlSta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value tgt_TrqOvlSta_Per1_APAState_State_enum.value tgt_TrqOvlSta_Per1_ESCState_state_enum.value tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value tgt_TrqOvlSta_Per1_LKAState_State_enum.value tgt_TrqOvlSta_Per1_LKAState_State_enum.value tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	2.44959998 0 0 4 4 90 0 0 4 4 4 0 4	2.44959998 ± 0.000009 0 ± 1 0 ± 1 4 ± 1 4 90 ± 0.0009765625 0 ± 1 0 ± 1 4 0 4 0 4	
TrqOvlSta_LKAFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_u08 TrqOvlSta_LKAState_State_M_enum TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvlSta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value tgt_TrqOvlSta_Per1_APAState_State_enum.value tgt_TrqOvlSta_Per1_ESCState_State_enum.value tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value tgt_TrqOvlSta_Per1_LKAState_State_enum.value	2.44959998 0 0 4 4 90 0 0 4 4 4 0	2.44959998 ± 0.000009 0 ± 1 0 ± 1 4 ± 1 4 90 ± 0.0009765625 0 ± 1 0 ± 1 4 4	
TrqOvlSta_LKAFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_u08 TrqOvlSta_LKAState_State_M_enum TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvlSta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value tgt_TrqOvlSta_Per1_APAState_State_enum.value tgt_TrqOvlSta_Per1_ESCState_state_enum.value tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value tgt_TrqOvlSta_Per1_LKAState_State_enum.value tgt_TrqOvlSta_Per1_LKAState_State_enum.value tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	2.44959998 0 0 4 4 90 0 0 4 4 4 0 4	2.44959998 ± 0.000009 0 ± 1 0 ± 1 4 ± 1 4 90 ± 0.0009765625 0 ± 1 0 ± 1 4 0 4 0 4	
TrqOvlSta_LKAFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_u08 TrqOvlSta_LKAState_State_M_enum TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvlSta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value tgt_TrqOvlSta_Per1_APAState_State_enum.value tgt_TrqOvlSta_Per1_APAState_State_enum.value tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value tgt_TrqOvlSta_Per1_LKAState_State_enum.value tgt_TrqOvlSta_Per1_LKAState_State_enum.value tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	2.44959998 0 0 4 4 90 0 0 4 4 4 0 4 0 90	2.44959998 ± 0.000009 0 ± 1 0 ± 1 4 ± 1 4 90 ± 0.0009765625 0 ± 1 0 ± 1 4 0 0 ± 1 0 ± 1 0 ± 1	
TrqOvISta_LKAFault_Cnt_M_lgc TrqOvISta_LKAPermFault_Cnt_M_lgc TrqOvISta_LKAPermFault_Cnt_M_u08 TrqOvISta_LKAState_State_M_enum TrqOvISta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvISta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvISta_Per1_APADrvrInterventionDetected_Cnt_lgc.value tgt_TrqOvISta_Per1_APAState_State_enum.value tgt_TrqOvISta_Per1_ESCState_State_enum.value tgt_TrqOvISta_Per1_GMOSHOscillateState_State_enum.value tgt_TrqOvISta_Per1_LKAState_State_enum.value tgt_TrqOvISta_Per1_LKAState_State_enum.value tgt_TrqOvISta_Per1_PosServEnable_Cnt_lgc.value tgt_TrqOvISta_Per1_PosSrvoHwAngle_HwDeg_f32.value	2.44959998 0 0 4 4 90 0 0 4 4 4 0 4 0 90 0 0 0	2.44959998 ± 0.000009 0 ± 1 0 ± 1 4 ± 1 4 90 ± 0.0009765625 0 ± 1 0 ± 1 4 0 0 ± 1 0 ± 0.0009765625 $0.589999974 \pm 0.0009765625$	



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 TrgOvlSta Per1 CP1 CheckpointReached	1	Rte Call TrgOvlSta 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
rqOvlSta_APAState_State_M_enum	2
rqOvlSta_ESCState_State_M_enum	3
rqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	24470
rqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	24470
rqOvlSta_ElapsedStandstillTime_Sec_M_f32	24470
rqOvlSta_HapticState_State_M_enum	1
rqOvlSta_Hapticdur_Cnt_M_u16	40876
TrqOvlSta_Haptictime_Sec_M_f32	24470
rqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	2.4000001
rqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0702000037
rqOvlSta_LKAFault_Cnt_M_lgc	1
rqOvlSta_LKAPermFault_Cnt_M_lgc	1
rqOvlSta_LKAPermFault_Cnt_M_u08	0
rqOvlSta_LKAState_State_M_enum	0
rqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	50.5
rqOvlSta_ReadytoPulse_Cnt_M_lgc	1
_APAIncludeHaptic_Cnt_lgc	0
APAMaxHwTrqTime Sec f32	0.159999996
APAMaxHwTrg HwNm f32	4.400001
APAMaxVehSpd_Kph_f32	207.399994
ESCMaxVehSpd Kph f32	137.199997
HapticAmplitude_MtrNm_f32	0.610000014
HapticDuration Sec f32	0.47999989
	42
_HapticReacttime_Sec_f32	0.912
: LKAMaxVehSpd Kph f32	108.300003
LKAMinVehSpd Kph f32	99.75
	0.109999999
_SWARLimiter_HwDeg_f32	54.5999985
	0.172999993
StandatilThroad, Kab 523	1.72000003
_StandstillThresh_Kph_f32	
StandstillTime_Sec_f32	0.172999993
gt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	4.5999999
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_Ig	
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESClsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_state_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
pt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
gt_Rte_Inst_Ap_TrqOvIsta.TrqOvIsta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOviSta_Per1_PosServEnable_Cnt_lgc

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TrqOvlSta_Per1

Name	Input Value				
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lg				
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_Hw[
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngReques	t_HwDeg_f32			
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse	_Cnt_lgc			
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32			
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lg	С			
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_ESClsLimited_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_ShiftLeverlsInReverse_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_Igc.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	~		

Test Step Call Trace				V
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 TrgOvlSta Per1 CP1 CheckpointReached	1	Rte Call TrgOvISta Per1 CP1 ChecknointReached	1	_

42 ± 0.0009765625

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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

tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value

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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	
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 79.1999969
k_APAMaxVehSpd_Kph_f32 k_ESCMaxVehSpd_Kph_f32	142.600006
k_HapticAmplitude_MtrNm_f32	0.62999995
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
$tgt_Rte_Inst_Ap_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgcolor=0.00000000000000000000000000000000000$	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOviSta_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_Igc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESClsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_Igc	tgt_TrqOvISta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum tgt_TrqOvlSta_Per1_GMOSHOscillateState_state_enum
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_GMOSH_APAMfgEnable_Cnt_Igc	tgt_TrqOvIsta_Per1_GMOSH_APAMfgEnable_Cnt_Igc
tgt_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvIsta_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_TrqOvISta_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_Igc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_Igc
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_ShiftLeverlsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_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_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32 tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32 tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32 tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0 0 0
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32 tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0 0 0 0
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32 tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	0 0 0 0 -501.709991
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32 tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	0 0 0 0 -501.709991
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32 tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	0 0 0 0 -501.709991

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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_ShiftLeverlsInReverse_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	0.62999995	0.629999995 ± 0.0009765625	•
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	•

Test Step Call Trace				V
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

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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
$tgt_Rte_Inst_Ap_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgcolor=0.00000000000000000000000000000000000$	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 TrgOvlSta Per1 APARecoverableFaults Cnt Igc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt Rte Inst Ap TrqOvISta.TrqOvISta Per1 APAState State enum	tgt_TrqOvISta_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_Igc	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_ESClsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESClsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_Igc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_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 Igc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_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_Igc	tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_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_ESCRequest_Crit_igc.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 TrgOvlSta Per1 LKAInhibit Cnt Igc.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

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Name	Input Value		
tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_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	0.95999979
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

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TrqOvlSta_Per1



Name	Input Value		
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	0		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_Igo	tgt_TrqOvlSta_Per1_APADrvrInterventionDet	ected_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFa		
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_f	32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_Igc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32 tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f3: tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc	2	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt TrqOvlSta_Per1_ESCIsLimited Cnt lgc		
tgt Rte Inst Ap TrqOvISta.TrqOvISta Per1 ESCRequest Cnt Igc	tgt_TrqOviSta_rer1_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_Igc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnabl		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnabl	e_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable	e_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_Igc	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_MaxSecureVehicleSpee		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwD	eg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	~ 422	
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDe		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32 tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_ tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_0		
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 tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0		
tgt_TrqOvISta_Per1_HwTorque_HwNm_f32.value	5.69999981		
tgt TrqOvISta_Per1_HwTorque_HwNtin_i32.value	0		
tgt_TrqOvISta_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	· ·
TrqOvISta_Hapticdur_Cnt_M_u16	43822	43822 ± 1	*
TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_HuvTorqueSt/_HuvIm_M_Str_St/_Llle_f33	2 7000005	0 ± 1	
TrqOvISta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32	2.70000005 0	2.70000005 ± 0.000009 0 ± 1	✓ ✓
TrqOvlSta_LKAFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0±1	
TrqOvISta_LKAPermFault_Cnt_M_u08	3	3±1	
	4	4	

 $TrqOvlSta_LKAState_State_M_enum$

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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				V
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
FrqOvISta_APAState_State_M_enum	4
FrqOvlSta_ESCState_State_M_enum	2
rqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	36490.3516
rqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	36490.3516
rqOvlSta_ElapsedStandstillTime_Sec_M_f32	36490.3516
rqOvlSta_HapticState_State_M_enum	2
rqOvlSta_Hapticdur_Cnt_M_u16	44804
rqOvlSta_Haptictime_Sec_M_f32	36490.3516
rqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	2.7999995
rqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0614
rqOvlSta_LKAFault_Cnt_M_lgc	1
rqOvlSta_LKAPermFault_Cnt_M_lgc	1
rqOvlSta_LKAPermFault_Cnt_M_u08	4
rqOvlSta_LKAState_State_M_enum	4
rgOvlSta PosSrvoHwAngle HwDeg M f32	63.4000015
rqOvlSta_ReadytoPulse_Cnt_M_lgc	1
APAIncludeHaptic Cnt Igc	0
	0.200000003
APAMaxHwTrq_HwNm_f32	4.71999979
APAMaxVehSpd Kph f32	84.599985
_ESCMaxVehSpd_Kph_f32	158.800003
comarconopa_npsc	0.68999998
HapticDuration Sec f32	0.540000021
HapticFreq_Hz_f32	44.7999992
HapticReacttime Sec f32	0.976000011
: LKAMaxVehSpd Kph f32	115.900002
_	106.75
_LKAMinVehSpd_Kph_f32	
_MaxHapticReqTime_Sec_f32	0.150000006
_SWARLimiter_HwDeg_f32	30
_ShiftLevRevTime_Sec_f32	0.188999996
_StandstillThresh_Kph_f32	1.96000004
_StandstillTime_Sec_f32	0.196999997
gt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	5.19999981
gt Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 APADrvrInterventionDetected Cnt Ig	
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_Igc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_Igc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESClsLimited_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum

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Name	Input Value		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnal	ble Cnt lac	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEna		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnat		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lg		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32	2	
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	1	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpe	eed_Kph_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpe		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_l		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_Hwl		
tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lg		
tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwE		
tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32 tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_SWARTrgtAngReques tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvISta_Per1_TrqOscAmp_MtrNm_f3		
tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt TrqOvlSta Per1 TrqOscEnable Cnt Ig		
tgt Rte Inst Ap TrqOvISta.TrqOvISta Per1 TrqOscFreq Hz f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32	•	
tgt TrqOvlSta Per1 APANonRecoverableFaults Cnt Igc.value	1		
tgt TrgOvlSta Per1 APARecoverableFaults Cnt Igc.value	1		
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1		
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	1		
tgt TrgOvlSta 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_ShiftLeverlsInReverse_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	Y
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	~
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1	1 ± 1	~
TrqOvISta_LKAPermFault_Cnt_M_u08	4	4 ± 1	~
TrqOvlSta_LKAState_State_M_enum	4	4	~
TrqOvlOtta_PosSrvoHwAngle_HwDeg_M_f32	0.180000007	0.180000007 ± 0.0009765625	V
TrqOvISta_ReadytoPulse_Cnt_M_lgc	1	1±1	V
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	~
tgt_TrqOvlSta_Per1_APAState_State_enum.value	4	4	-
tgt_TrqOvISta_Per1_ESCState_State_enum.value	3	3	~
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	2	2	-
tgt_TrqOvISta_Per1_LKAState_State_enum.value			
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 0 ± 1	~
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	44.7999992	0 ± 1 44.7999992 ± 0.0009765625	
	44 / 99999/	144 /99999/ ± U UUU9/05625	· · · · · · · · · · · · · · · · · · ·



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
rqOvlSta_APAState_State_M_enum	0
rqOvlSta_ESCState_State_M_enum	3
rqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	39495
rqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	39495
rqOvlSta_ElapsedStandstillTime_Sec_M_f32	39495
rqOvlSta_HapticState_State_M_enum	0
rqOvlSta_Hapticdur_Cnt_M_u16	45786
rqOvlSta_Haptictime_Sec_M_f32	39495
rqOvlSta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32	2.9000001
rqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0636000037
rqOvlSta_LKAFault_Cnt_M_lgc	0
FrqOvISta_LKAPermFault_Cnt_M_lgc	0
rqOvlSta_LKAPermFault_Cnt_M_u08	0
rqOvlSta_LKAState_State_M_enum	0
rqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	87.5999985
rqOvlSta_ReadytoPulse_Cnt_M_lgc	0
_APAIncludeHaptic_Cnt_lgc	1
_APAMaxHwTrqTime_Sec_f32	0.20999993
_APAMaxHwTrq_HwNm_f32	4.8000019
APAMaxVehSpd_Kph_f32	86.4000015
ESCMaxVehSpd_Kph_f32	164.199997
tf32	0.709999979
	0.555000007
HapticFreq Hz f32	45.5
_HapticReacttime_Sec_f32	0.991999984
HabiteNeastainie_Geo_132 LKAMaxVehSpd_Kph_f32	117.800003
LKAMinVehSpd Kph f32	108.5
	0.159999996
_SWARLimiter_HwDeg_f32	40
	0.193000004
StandatilThroad, Kab 523	2
StandstillThresh_Kph_f32 StandstillTime_See_f32	
StandstillTime_Sec_f32	0.201000005
gt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-5.5
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_Ig	
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESClsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_state_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_state_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
pt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOviSta_Per1_PosServEnable_Cnt_lgc

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Name	Input Value		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lg	c	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwD	eg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngReques	t_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse	_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f3	32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lg	С	
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 TrgOvlSta Per1 ESCIsLimited Cnt Igc.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	0.30000019		
tgt TrqOvlSta Per1 LKAInhibit Cnt Igc.value	0		
	0		
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	226.199997		
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	211.5		
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	0		
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value			
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.189999998		
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-22.5		
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_Igc.value	0	1=	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	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	✓
0_ 1	1		

Test Step Call Trace				V
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 TrgOvISta Per1 CP1 CheckpointReached	1	Rte Call TrgOvlSta Per1 CP1 CheckpointReached	1	_

45.5 ± 0.0009765625

45.5

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

tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value

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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_UIs_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	-8.8000019
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_Igo	
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_TrqOvISta.TrqOvISta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_Igc	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_Igc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_Igc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_Igc	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_Igc	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_Igc	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_Igc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_Igc	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_Igc	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_TrqOvISta_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_Igc.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	1440 10000
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-1440.10999
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	360
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0
tgt_Tryoviota_i or i_Eoor autt_offt_tgt.value	-

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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_ShiftLeverlsInReverse_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	✓
TrqOvISta_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 tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_Igc	8.80000019 tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_APANonRecoverableFaults_Cnt_Igc	tgt_TrqOvIsta_Per1_APANonRecoverableFaults_Cnt_Igc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_Igc	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 Igc	tgt TrqOvISta Per1 CCWFound Cnt Igc
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_ESClsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESClsLimited_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_ShiftLeverlsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_Igc
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	
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	1
tgt_TrqOvISta_Per1_CCWFound_Cnt_Igc.value	-360
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	-360 1
	1440.10999
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1440.10999
tgt_frqovista_Peri_ESCFault_Cnt_igc.value tgt_frqovista_Peri_ESCIsLimited_Cnt_lgc.value	1
tgt_frqovista_Peri_ESCIsLimited_Cnt_igc.value tgt_frqovista_Peri_ESCRequest_Cnt_igc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Crit_igc.value tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_igc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvIsta_Per1_GMOSH_LKAMfgEnable_Cnt_Igc.value	1
tgt_TrqOvISta_Per1_HapticRequest_Cnt_Igc.value	1
tgt_TrqOvISta_Per1_HwTorque_HwNm_f32.value	10
tgt_TrqOvISta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvIsta_Per1_LKAInhibit_Cnt_Igc.value	1
tgt_TrqOvISta_Per1_LKARequest_Cnt_lgc.value	1
tgt_TrqOvISta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	514.799988
tgt_TrqOvISta_Per1_MinSecureVehicleSpeed_Kph_f32.value	511
tgt_TrqOvISta_Per1_PosTrajEnable_Cnt_Igc.value	1
<u> </u>	
tgt TrgOvlSta Per1 PosTrajHwAngle HwDeg f32.value	0.200000003
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	

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Name	Input Value		
tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc.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				V
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 TrgOvlSta Per1 CP1 CheckpointReached	1	Rte Call TrgOvlSta Per1 CP1 CheckpointReached	1	~

TrqOvlSta_Per1

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Test Case 3: Path Test

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TrqOvlSta_Per1



Specification

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

CPU Cvcles:

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
TS3.12 1127 Cycles
TS3.13 1109 Cycles
TS3.14 1121 Cycles
TS3.16 1148 Cycles
TS3.16 1148 Cycles
TS3.16 1148 Cycles
TS3.17 1165 Cycles
TS3.19 1184 Cycles
TS3.21 1154 Cycles
TS3.22 1129 Cycles
TS3.22 1129 Cycles
TS3.22 1129 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
TS3.29 1140 Cycles
TS3.31 1139 Cycles
TS3.32 1157 Cycles
TS3.33 1155 Cycles
TS3.31 1139 Cycles
TS3.31 1139 Cycles
TS3.31 1139 Cycles
TS3.31 1125 Cycles
TS3.31 1251 Cycles
TS3.33 1251 Cycles
TS3.34 1251 Cycles
TS3.36 1259 Cycles
TS3.37 1251 Cycles
TS3.38 1250 Cycles
TS3.39 1248 Cycles
TS3.39 1248 Cycles
TS3.41 1243 Cycles
TS3.42 1148 Cycles
TS3.42 1148 Cycles
TS3.45 1270 Cycles
TS3.45 1270 Cycles
TS3.46 1249 Cycles
TS3.47 1194 Cycles
TS3.48 1200 Cycles
TS3.50 1200 Cycles
TS3.51 1161 Cycles
TS3.51 167 Cycles TS3.51 1161 Cycles
TS3.52 1167 Cycles
TS3.52 1166 Cycles
TS3.53 1166 Cycles
TS3.55 1153 Cycles
TS3.55 1153 Cycles
TS3.55 1160 Cycles
TS3.56 1160 Cycles
TS3.57 1167 Cycles
TS3.59 1171 Cycles
TS3.60 1168 Cycles
TS3.61 1168 Cycles
TS3.62 1154 Cycles
TS3.62 1154 Cycles
TS3.63 1171 Cycles
TS3.65 1171 Cycles
TS3.65 1171 Cycles
TS3.66 1173 Cycles
TS3.67 1139 Cycles
TS3.68 1135 Cycles
TS3.70 1171 Cycles
TS3.71 1176 Cycles
TS3.71 1176 Cycles
TS3.72 1179 Cycles
TS3.73 1134 Cycles
TS3.74 1172 Cycles
TS3.75 1172 Cycles
TS3.77 1099 Cycles
TS3.78 1172 Cycles
TS3.78 1174 Cycles
TS3.78 108 Cycles
TS3.78 108 Cycles
TS3.81 1030 Cycles
TS3.83 1019 Cycles
TS3.83 1019 Cycles
TS3.84 1018 Cycles
TS3.84 1018 Cycles TS3.84 1018 Cycles



Description Vector Description:

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Vector Description:

TS3.1"(LKARequest_Cnt_T_f32 > D_ZERO_ULS_F32)=False
(HapticRequest_Cnt_T_lgc == TRUE)=False
(ShiftLeverishInReverse_Cnt_T_lgc == TRUE)=False
(MaxSecureVehicleSpeed_Kph_T_f32 >= k_StandstillThresh_Kph_f32)=Flase
(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_APAMaxHwTrqThresh_Kph_f32)=False
((LKAFauit_Cnt_T_lgc == TRUE)= && (TrqOvlSta_LKAPermFauit_Cnt_M_lgc == FALSE) && (TrqOvlSta_LKAFauit_Cnt_M_lgc == FALSE))=False
(GMOSH_APAMfgEnable_Cnt_T_lgc == FALSE)=False"
TS3.2"(LKARequest_Cnt_T_lgc == TRUE)=True
(TrqOvlSta_Haptictime_Sec_M_f32 >= (k_MaxHapticReqTime_Sec_f32))=False
(ShiftLeverIsInReverse_Cnt_T_lgc == TRUE)=True
(TrqOvlSta_HapticState_State_M_enum_!= Haptic_Inactive)=False
(MaxSecureVehicleSpeed_Kph_T_f32 >= k_StandstillTime_Sec_f32)=False
(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
((LKAFauit_Cnt_T_lgc == TRUE)=True
(TrqOvlSta_HapticState_State_M_enum_!= Haptic_Inactive)=False
((LKAFauit_Cnt_T_lgc == TRUE)=True
(TrqOvlSta_HapticState_State_M_enum_!= Haptic_Inactive)=False
((LKAFauit_Cnt_T_lgc == TRUE)=True
(TrqOvlSta_HapticRequest_Cnt_T_lgc == TRUE)=True
(TrqOvlSta_HapticRequest_Cnt_T_lgc == TRUE)=True
(TrqOvlSta_HapticRequest_Cnt_T_lgc == TRUE)=True
(TrqOvlSta_HapticRequest_Cnt_T_lgc == TRUE)=True
(TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32 >= (k_ShiftLevRevTime_Sec_f32))=True
(ShiftLeverIsInReverse_Cnt_T_lgc == TRUE)=True
(TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32 >= (k_ShiftLevRevTime_Sec_f32))=True
(MaxSecucrevVehicleSpeed_Kph_T_f32) >= k_StandstillTime_Sec_f32)=True
(TrqOvlSta_ElapsedShandstillTime_Sec_M_f32 >= (k_ShiftLevRevTime_Sec_f32)=True
(TrqOvlSta_ElapsedShandstillTime_Sec_M_f32 >= (k_ShandstillTime_Sec_f32)=Tr
       ((CWFound_Cnt_T_lgc == TRUE) && (CCWFound_Cnt_T_lgc == TRUE))=False
(GMOSH_APAIMfgEnable_Cnt_T_lgc == FALSE)=True"
TS3.4((LKAFault_Cnt_T_lgc == TRUE)=True && (TrqOvISta_LKAPermFault_Cnt_M_lgc == FALSE)=False && (TrqOvISta_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)
== 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
    IS3.12"case(APA_I empinhibit): True

(APANonRecoverableFaults_Cnt_T_lgc ==TRUE)=True"

TS3.13(TrqOvISta_LKAPermFault_Cnt_M_lgc == TRUE)=True

TS3.13(TrqOvISta_LKAPermFault_Cnt_M_lgc == TRUE)=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"
     (LKAREQUEST_CNT_I_gc == 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||
   TS3.25((MaxSecureVehicleSpeed_Kph_T_f32 <= k_APAMaxVehSpd_Kph_f32) = True&& (APARequest_Cnt_T_lgc==FALSE) = Irue && (APARequest_Cnt_T_lgc==FALSE) = True && (APARequest_Cnt_T_lgc==FALSE) = True && (LapticRequest_Cnt_T_lgc==FALSE) = True && (APARequest_Cnt_T_lgc==FALSE) = True && (LapticRequest_Cnt_T_lgc==FALSE) = True && (APARequest_Cnt_T_lgc==FALSE) = True && (APARequest_Cnt_T_lgc==TRUE)) = True && (APARequest_Cnt_T_lgc==TRUE) = True && (APARequest_Cnt_T_lgc==TRUE
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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_LKAMMAVehSpd_Kph_f32) || (MinSecureVehicleSpeed_Kph_T_f32 > k_LKAMMAVehSpd_Kph_f32) || (LKARequest_Cnt_T_lgc ==TRUE)& (ShiftLevRevTime_Cnt_T_lgc==TRUE))=False
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)=Frue && (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)=False)
TS3.46((StandstillTime_Cnt_T_lgc==FALSE)=False)|
TS3.46((StandstillTime_Cnt_T_lgc==FALSE)=False)|
TS3.47((StandstillTime_Cnt_T_lgc==FALSE)=False)|
TS3.47((StandstillTime_Cnt_T_lgc==FALSE)| (APARequest_Cnt_T_lgc==FALSE)| False)|
TS3.47((StandstillTime_Cnt_T_lgc==FALSE)| (APARequest_Cnt_T_lgc==FALSE)| (ShiftLevRevTime_Cnt_T_lgc==FALSE)| (ShiftLevRevTime_Cnt_T_lgc==FALSE)=False)|
TS3.49((StandstillTime_Cnt_T_lgc==FALSE)| (APARequest_Cnt_T_lgc==FALSE)| (ShiftLevRevTime_Cnt_T_lgc==FALSE)=False)|
TS3.50((StandstillTime_Cnt_T_lgc==FALSE)| (APARequest_Cnt_T_lgc==FALSE)| (ShiftLevRevTime_Cnt_T_lgc==FALSE)=False)|
TS3.51((MaxSecureVehicleSpeed_Kph_T_f32 > k_APAMAXVehSpd_Kph_f32)=False| (APARecoverableFaults_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| (APARecoverableFaults_Cnt_T_lgc==TRUE)=False| (HapticRequest_Cnt_T_lgc==TRUE)=False| (HapticRequest_Cnt_T_lgc==TRUE)=False| (HapticRequest_Cnt_T_lgc==TRUE)=False| (HapticRequest_Cnt_T_lgc==TRUE)=False| (HapticRequest_Cnt_T_lgc==TRUE)=False| (HapticRequest_Cnt_T_lgc==TRUE)=False| (Hap
    TS3.57((LKARequest_Cnt_T_lgc == TRUE) = True&& ((LKAFault_Cnt_T_lgc == TRUE)=False || (LKAInhibit_Cnt_T_lgc == TRUE)=False || (TrqOvISta_ESCState_State_M_enum == ESC_TemporarilyLimited))=False || (TrqOvISta_ESCState_State_M_enum == ESC_TemporarilyLimited))=False || (TrqOvISta_ESCState_State_M_enum == ESC_TemporarilyLimited))=False || (TrqOvISta_ESCState_State_M_enum == ESC_TemporarilyLimited))=False || (TrqOvISta_ESCState_State_M_enum == ESC_TemporarilyLimited))|
TS3.59((LKARequest_Cnt_T_lgc == TRUE) && ((LKAFault_Cnt_T_lgc == TRUE) || (LKAInhibit_Cnt_T_lgc == TRUE) || (TrqOvISta_ESCState_M_enum == ESC_TemporarilyLimited)))
TS3.60"(LKARequest_Cnt_T_lgc == TRUE) && ((LKAFault_Cnt_T_lgc == TRUE) || (LKAInhibit_Cnt_T_lgc == TRUE) || (TrqOvISta_ESCState_State_M_enum == ESC_TemporarilyLimited)))
TS3.60"(LKARequest_Cnt_T_lgc == TRUE) = True || (TrqOvISta_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) || (KARequest_Cnt_T_lgc == FALSE) = Frue) || (MinSecureVehicleSpeed_Kph_T_f32 > k_LKAMaxVehSpd_Kph_f32) || (KARequest_Cnt_T_lgc == TRUE) || (TrqOvISta_ESCState_State_M_enum == ESC_Active) || (
      | CIRAFault_Cnt_I_igc == TRUE) | (LRAFault_Cnt_I_igc == TRUE) | (TrqOvISta_ESCState_State_M_enum == ESC_Active) | (TrqOvISta_ESCState_State_M_enum
      TS3.67(ESCRequest_Cnt_T_lgc == TRUE)=True
TS3.68(ESCRequest_Cnt_T_lgc == TRUE)=False
TS3.69(ESClsLimited_Cnt_T_lgc == TRUE)=False
TS3.71"(ESCRequest_Cnt_T_lgc == TRUE)=False
      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"((TrqOvISta_APAState_State_M_enum == APA_Active) =True&& (PosTrajEnable_Cnt_T_lgc == TRUE)=False)
((TrqOvISta_APAState_State_M_enum != APA_Active) && (PosTrajEnable_Cnt_T_lgc == TRUE)=False)
TS3.76"switch (TrqOvISta_APAState_State_M_enum)
Default-True"
           Default:True"
             TS3.77"case (ESC_ManufacturingDisable):True
           case(APA_PermanentlyFailed):=True
             TS3.78"switch (TrqOvlSta_ESCState_State_M_enum)
           default:True
           switch (TrqOvISta_HapticState_State_M_enum)
           default:True"
      detault: Irue"

TS3.79(TrqOvlSta_Hapticdur_Cnt_M_u16 > (k_HapticDuration_Sec_f32/D_2MS_SEC_F32))=>FALSE

TS3.79(TrqOvlSta_Hapticdur_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)F)=>TRUE

TS3.82((StandstillTime_Cnt_T_lgc==FALSE)F || (APARequest_Cnt_T_lgc ==FALSE)F || (ShiftLevRevTime_Cnt_T_lgc==FALSE)F |= FALSE)F |= FALSE)F
```

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
	0.751999974
k_HapticReacttime_Sec_f32	
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_Igc	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_Igc	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_ESClsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESClsLimited_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_Igc	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_Igc	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_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_ShiftLeverlsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt TrqOvlSta Per1 TrqOscAmp MtrNm f32
tgt Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 TrgOscEnable Cnt Igc	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 Igc.value	1
tgt_TrqOvISta_Per1_APARecoverableFaults_Cnt_Igc.value	1
	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	
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_ESClsLimited_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

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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	Ī		
tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_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 TrgOvISta Per1 CP1 CheckpointReached	1	Rte Call TrgOvlSta 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

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	Name	Input Value		
Lipsoffwerdings Sep. 262 123 1599000		·		
Light Committee Committe				
Commission Com	k_LKAMaxVehSpd_Kph_f32	146.300003		
S. SMASHERMENT Sept. 20	k_LKAMinVehSpd_Kph_f32	100		
Special Continue Special Con				
C. Sandwillman, No. 1, 22				
Samestration Sec. 202				
Sp. Rev. Land D. Topicks Enablished Topicks Part APADomintervinal Detected City Lip				
Sp. Re.				
With Residence April (1998 Transported English Cott) St. Transported English Cott) St. Transported English Cott St.		tgt_TrqOvlSta_Per1_APADrvrInterventionDe	tected_Cnt_lgc	
Mill Regil Mill Process Trapholis Process APA Secure Process Mill Process Pr	tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFa	aults_Cnt_lgc	
15, Pile (Pile A. P. (1905)SE TrigOVSE DE POST APASSES Size serum 15, Pile Pile A. P. (1905)SE TrigOVSE DE POST COVERNIE (1905) 15, Pile (Pile A. P. (1905)SE TrigOVSE DE POST COVERNIE (1905) 15, Pile (Pile A. P. (1905)SE TrigOVSE DE POST COVERNIE (1905) 15, Pile (Pile A. P. (1905)SE TrigOVSE DE POST COVERNIE (1905) 15, Pile (Pile A. P. (1905)SE TrigOVSE DE POST COVERNIE (1905) 15, Pile (Pile A. P. (1905)SE TrigOVSE DE POST ESCOSE (1905) 15, Pile (Pile	tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults	_Cnt_lgc	
Sig. Resin Ap. TriCOMSBs TriCOMSBs (TriCOMSBs (TriCOM				
Injt. Reg. Injt. Proc. Technolog 12 12 17 17 18 18 18 18 18 18				
International Control Inte			82	
Ig. Traj. Port Ap. Traj. Port Ap. Traj. Port Born Tourn			102	
Mg. Rig. Hay Ap. TrigOVSBn Perl SCOSIA-MINE COLLIGN Mg. Rig. Hay Ap. TrigOVSBn Perl SCOSIA-MINE State wom Mg. Rig. Hay Ap. TrigOVSBn Perl Scosia-Mine Wom Mg. TrigOVSBn Perl Scosia-Mine Wom Mg. TrigOVSBn Perl Scosia-Mine Wom Mg. TrigOVSBn Pe			2	
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10, Ris Inst. Ap Tra0/Sila Tra0/Sila (1740) 20 174				
1g. Reg. pat. Ap. TrigO/Sila Prof. SMD Pert. SMDSH JARDBE pately cell got 1g. Reg. pat. Ap. TrigO/Sila Prof. SMD Pert. SMDSH JARDBE patel. got 1g. Reg. pat. Ap. TrigO/Sila Prof. SMD Pert. SMDSH JARDBE patel. got 1g. Reg. pat. Ap. TrigO/Sila Prof. SMD Pert. SMDSH JARDBE patel. got 1g. Reg. pat. Ap. TrigO/Sila Prof. SMD Pert. JARDBE patel. pat. got 1g. Reg. pat. Ap. TrigO/Sila Prof. SMD Pert. JARDBE patel. pat. got 1g. Reg. pat. Ap. TrigO/Sila Prof. SMD Pert. JARDBE pat. got 1g. Reg. pat. Ap. TrigO/Sila TrigO/Sila Pref. JARDBE pat. got 1g. Reg. pat. Ap. TrigO/Sila TrigO/Sila Pref. JARDBE pat. got 1g. TrigO/Sila Pref.	tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc		
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Indicate Indicate				
St. Re. Inst. Ap. TrQOVSIs Pert L.KAFault, Cnt. Jgc St. Re. Inst. Ap. TrQOVSIs Pert L.KAFault, Cnt. Jgc St. Re. Inst. Ap. TrQOVSIs Pert L.KAFault, Cnt. Jgc St. Re. Inst. Ap. TrQOVSIs Pert L.KAFault, Cnt. Jgc St. Re. Inst. Ap. TrQOVSIs Pert L.KAFAULT Cnt. Jgc St. Re. Inst. Ap. TrQOVSIs Pert L.KAFAULT Cnt. Jgc St. Re. Inst. Ap. TrQOVSIs TrQOVSIs Pert L.KAFAULT Cnt. Jgc St. Re. Inst. Ap. TrQOVSIs TrQOVSIs Pert J.KAFAULT Cnt. Jgc St. Re. Inst. Ap. TrQOVSIs TrQOVSIs Pert J.KAFAULT Cnt. Jgc St. Re. Inst. Ap. TrQOVSIs TrQOVSIs Pert J.KAFAULT Cnt. Jgc St. Re. Inst. Ap. TrQOVSIs TrQOVSIs Pert J.KAFAULT Cnt. Jgc St. Re. Inst. Ap. TrQOVSIs TrQOVSIs Pert J.KAFAULT Cnt. Jgc St. Re. Inst. Ap. TrQOVSIs TrQOVSIs Pert J.KAFAULT Cnt. Jgc St. Re. Inst. Ap. TrQOVSIs TrQOVSIs Pert J.KAFAULT Cnt. Jgc St. Re. Inst. Ap. TrQOVSIs TrQOVSIs Pert J.KAFAULT Cnt. Jgc St. Re. Inst. Ap. TrQOVSIs TrQOVSIs Pert J.KAFAULT Cnt. Jgc St. Re. Inst. Ap. TrQOVSIs Pert J.KAFAULT Cnt. Jgc St. TrQOVSIs Pert J.KAFAULT Cnt. Jg				
10, Re. Inst. Ap. TrqOviSta. Prof. LKAhnhibt. Cnt. go gt, Re. Inst. Ap. TrqOviSta. Prof. LKAhnhibt. Cnt. go gt, Re. Inst. Ap. TrqOviSta. TrqOviSta. Prof. LKAState. State. enum gt, Re. Inst. Ap. TrqOviSta. TrqOviSta. Prof. LKAState. State. enum gt, Re. Inst. Ap. TrqOviSta. TrqOviSta. Prof. LKAState. State. enum gt, TrqOviSta. Prof. JKAState. Prof. Dkastate. Ap. gt, TrqOviSta. Prof. JKAState. Prof. Dkastate. Ap. gt, TrqOviSta. Prof. JKAState. Prof. Dkastate. Ap. gt, TrqOviSta. Prof. JKAState. Prof. JKAState. Prof. Dkastate. Ap. gt, TrqOviSta. Prof. JKAState. Prof.				
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gl, Tejn, Ma, P. Trjovišla, Per J. Mas-SecureVehicleSpeed Kph, 132 gl, Trqovišla, Per J. Posisne Final P. Posisne P. Posisne Final P. Posisne P. Posisne Final P. Posisne P. Posisne	tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc		
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tg, Re net Ap TrqOviSta Pert PosSevEnable Cnt go tg TrqOviSta Pert PosSrovHwAngle HwDeg 32 tg TrqOviSta Pert PosTrajEnable Cnt go tg TrqOviSta Pert TrqOviSta Pe				
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Sq. Rtg. Inst. Ap. TrqOviSta. TrqOviSta Pert PosTrajhWAngle, HwDeg, [32] tgl. Rtg. Inst. Ap. TrqOviSta. Pert SWARTrgdngRequest_HwDeg, [32] tgl. Rtg. Inst. Ap. TrqOviSta. Pert SWARTrgdngRequest_HwDeg, [32] tgl. Rtg. Inst. Ap. TrqOviSta. TrqOviSta. Pert TrqOscAmp_Mirkm, [32] tgl. Rtg. Inst. Ap. TrqOviSta. TrqOviSta. Pert TrqOscAmp_Mirkm, [32] tgl. Rtg. Inst. Ap. TrqOviSta. TrqOviSta. Pert TrqOscAmp_Mirkm, [32] tgl. TrqOviSta. Pert TrqOscAmp_Mirkm, [32] tgl. TrqOviSta. Pert TrqOscAmp_Mirkm, [32] tgl. TrqOviSta. Pert TrqOscFreq. Hz, [32] tgl. TrqOviSta. Pert APARceoverableFaults, Cnt. Igc. value 0 tgl. TrqOviSta. Pert APARceoverableFaults, Cnt. Igc. value 0 tgl. TrqOviSta. Pert APARceoverableFaults, Cnt. Igc. value 0 tgl. TrqOviSta. Pert CVVPositind. InvDeg. Igd. value 0 tgl. TrqOviSta. Pert ESCFault, Cnt. Igc. value 0 tgl. TrqOviSta. Pert ESCFault, Cnt. Igc. value 0 tgl. TrqOviSta. Pert ESCFault, Cnt. Igc. value 0 tgl. TrqOviSta. Pert ESCRequest, Cnt. Igc. value 0 tgl. TrqOviSta. Pert ESCRequest, Cnt. Igc. value 0 tgl. TrqOviSta. Pert Apartecepast, Cnt. Igc. value 0 tgl. TrqOviSta. Pert Apartecepast, Cnt. Igc. value 0 tgl. TrqOviSta. Pert MoSta. Hybrita. Value 0 tgl. TrqOviSta. Pert Trqouste. Pert Trqous				
IgL Rte Inst Ap. TrqOviSta TrqOv				
Ig.Rte_Inst_Ap_TrqOvisia_TrqOvisia_Per1_TrqOscAmp_MrNm_[32] Ig.TrqOvisia_Per1_TrqOscAmp_MrNm_[32] Ig.TrqOvisia_Per1_TrqOscAmp_MrNm_[32] Ig.TrqOvisia_Per1_TrqOscAmp_MrNm_[32] Ig.TrqOvisia_Per1_TrqOvisia_Per1_TrqOscFamp_MrNm_[32] Ig.TrqOvisia_Per1_TrqOscFamp_MrNm_[32] Ig.TrqOvisia_Per1_TrqOscFamp_MrNm_[32] Ig.TrqOvisia_Per1_TrqOscFamp_MrNm_[32] Ig.TrqOvisia_Per1_TrqOscFamp_MrNm_[32] Ig.TrqOvisia_Per1_TrqOscFamp_MrNm_[32] Ig.TrqOvisia_Per1_TrqOscFamp_MrNm_[32] Ig.TrqOvisia_Per1_APANnoNnecoverableFaults_Cnt_Ig.value 0 Ig.TrqOvisia_Per1_APARecoverableFaults_Cnt_Ig.value 0 Ig.TrqOvisia_Per1_APARecoverableFaults_Cnt_Ig.value 0 Ig.TrqOvisia_Per1_CCWPound_Cnt_Ig.value 0 Ig.TrqOvisia_Per1_CCWPound_Cnt_Ig.value 0 Ig.TrqOvisia_Per1_CCWPound_Cnt_Ig.value 0 Ig.TrqOvisia_Per1_CCWPound_Cnt_Ig.value 0 Ig.TrqOvisia_Per1_CWPositon_HwDeg_152 value 0 Ig.TrqOvisia_Per1_CWPositon_HwDeg_152 value 0 Ig.TrqOvisia_Per1_ESCFault_Cnt_Ig.value 0 Ig.TrqOvisia_Per1_ESCFault_Cnt_Ig.value 0 Ig.TrqOvisia_Per1_ESCFault_Cnt_Ig.value 0 Ig.TrqOvisia_Per1_ESCFault_Cnt_Ig.value 1 Ig.TrqOvisia_Per1_ESCFault_Cnt_Ig.value 1 Ig.TrqOvisia_Per1_ESCFault_Cnt_Ig.value 1 Ig.TrqOvisia_Per1_Ig.Value_Ig.Value 1 Ig.TrqOvisia_Per1_Ig.Val				
IgL Rie Linst Ap_TrqOviSta_Perl_TrqOscEnable_Cnt_lgc Igt_TrqOviSta_Perl_TrqOscEnable_Cnt_lgc Igt_TrqOviSta_Perl_TrqOscEnable_Cnt_lgc Igt_TrqOviSta_Perl_Pt_132 Igt_TrqOviSta_Perl_APANonGeoverableFaults_Cnt_lgc.value 0 Igt_TrqOviSta_Perl_APANonGeoverableFaults_Cnt_lgc.value 0 Igt_TrqOviSta_Perl_APANonGeoverableFaults_Cnt_lgc.value 0 Igt_TrqOviSta_Perl_APANonGeoverableFaults_Cnt_lgc.value 0 Igt_TrqOviSta_Perl_CCWFound_Cnt_lgc.value 1 Igt_TrqOviSta_Perl_CCWFound_Cnt_lgc.value 388.230011 Igt_TrqOviSta_Perl_CCWFound_Cnt_lgc.value 0 Igt_TrqOviSta_Perl_CWFound_Cnt_lgc.value 0 Igt_TrqOviSta_Perl_CWFound_Cnt_lgc.value 0 Igt_TrqOviSta_Perl_CWFound_Cnt_lgc.value 0 Igt_TrqOviSta_Perl_ESCSEault_Cnt_lgc.value 0 Igt_TrqOviSta_Perl_ESCSEault_Cnt_lgc.value 1 Igt_TrqOviSta_Perl_ESCSEault_Cnt_lgc.value 1 Igt_TrqOviSta_Perl_ESCSEault_Cnt_lgc.value 1 Igt_TrqOviSta_Perl_GMOSH_APAMIgEnable_Cnt_lgc.value 1 Igt_TrqOviSta_Perl_GMOSH_EXMigEnable_Cnt_lgc.value 1 Igt_TrqOviSta_Perl_GMOSH_LKAMIgEnable_Cnt_lgc.value 1 Igt_TrqOviSta_Perl_HwTorque_HwNm_i3z.value 8.1000038 Igt_TrqOviSta_Perl_HwTorque_HwNm_i3z.value 1 Igt_TrqOviSta_Perl_HwTorque_HwNm_i3z.value 1 Igt_TrqOviSta_Perl_HwTorque_HwNm_i3z.value 1 Igt_TrqOviSta_Perl_HwTorque_HwNm_i3z.value 1 Igt_TrqOviSta_Perl_LKAFault_Ort_Igc.value 1 Igt_TrqOviSta_Perl_HwTorque_HwNm_i3z.value 1 Igt_TrqOviSta_Perl_PosTrajHwAngle_HwDeg_i3z.value 0 Igt_TrqOviSta_Perl_PosTrajHwAngle_HwDeg_i3z.value 0 Igt_TrqOviSta_Perl_ShiftLeverisInReverse_Cnt_Igc.value 0 Igt_TrqOviSta_Perl_ShiftLeverisInReverse_Cnt_Igc.value 0 Igt_TrqOviSta_Perl_ShiftLeverisInRevers				
Igt_TqOVISta_Pert_APARcoverableFaults_Cnt_Igc_value 1	tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f3.	2	
Igt_TrqOvlSta_Pert_APANonRecoverableFaults_Cnt_Igc.value 0 1 1 1 1 1 1 1 1 1				
fgt_TrqOviSta_Pert_APARecoverableFaults_Cnt_Igc_value 0 fgt_TrqOviSta_Pert_APARequest_Cnt_Igc_value 1 fgt_TrqOviSta_Pert_CCWPound_Cnt_Igc_value 388.230011 fgt_TrqOviSta_Pert_CCWPosition_HwDeg_f32.value 388.230011 fgt_TrqOviSta_Pert_CWPosition_HwDeg_f32.value 381.01001 fgt_TrqOviSta_Pert_EWPound_Cnt_Igc_value 0 fgt_TrqOviSta_Pert_EWPound_Cnt_Igc_value 0 fgt_TrqOviSta_Pert_ESCFault_Cnt_Igc_value 0 fgt_TrqOviSta_Pert_ESCFault_Cnt_Igc_value 0 fgt_TrqOviSta_Pert_ESCRequest_Cnt_Igc_value 1 fgt_TrqOviSta_Pert_ESCRequest_Cnt_Igc_value 1 fgt_TrqOviSta_Pert_ESCRequest_Cnt_Igc_value 1 fgt_TrqOviSta_Pert_GMOSH_ESCMigenable_Cnt_Igc_value 1 fgt_TrqOviSta_Pert_GMOSH_ESCMigenable_Cnt_Igc_value 1 fgt_TrqOviSta_Pert_Mosh_EscMigenable_Cnt_Igc_value 1 fgt_TrqOviSta_Pert_HwNforque_HwNm_f32.value 8.10000038 fgt_TrqOviSta_Pert_HwNforque_HwNm_f32.value 1 fgt_TrqOviSta_Pert_IkAFault_Cnt_Igc_value 0 fgt_TrqOviSta_Pert_IkAFault_Cnt_Igc_value 1 fgt_TrqOviSta_Pert_IkAFault_Cnt_Igc_value 1 fgt_TrqOviSta_Pert_IkAFault_Cnt_Igc_value 0				
tg _TrqOv/Sta_Per1_APARequest_Cnt_ gc.value		-		
International Common				
St_TrqOv Sta_Per1_CVPFound_Cnt_Igc.value 1 1 1 1 1 1 1 1 1				
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tgt_TrqOvISta_Per1_ESCIsLimited_Cnt_Igc.value 1 tgt_TrqOvISta_Per1_ESCRequest_Cnt_Igc.value 1 tgt_TrqOvISta_Per1_GMOSH_APAMfgEnable_Cnt_Igc.value 1 tgt_TrqOvISta_Per1_GMOSH_ESCMfgEnable_Cnt_Igc.value 1 tgt_TrqOvISta_Per1_BMOSH_LKAMfgEnable_Cnt_Igc.value 1 tgt_TrqOvISta_Per1_HapticRequest_Cnt_Igc.value 1 tgt_TrqOvISta_Per1_HwTorque_HwNm_f32.value 8.10000038 tgt_TrqOvISta_Per1_LKAFault_Cnt_Igc.value 1 tgt_TrqOvISta_Per1_LKAInhibit_Cnt_Igc.value 0 tgt_TrqOvISta_Per1_LKARequest_Cnt_Igc.value 1 tgt_TrqOvISta_Per1_LKARequest_Cnt_Igc.value 1 tgt_TrqOvISta_Per1_MaxSecureVehicleSpeed_Kph_f32.value 1 tgt_TrqOvISta_Per1_PosTrajEnable_Cnt_Igc.value 1 tgt_TrqOvISta_Per1_PosTrajEnable_Cnt_Igc.value 1 tgt_TrqOvISta_Per1_SWARTrgAngRequest_HwDeg_f32.value 0 tgt_TrqOvISta_Per1_SwiftLeverIsInReverse_Cnt_Igc.value 0 tgt_TrqOvISta_Per1_ShiftLeverIsInReverse_Cnt_Igc.value 1 tgt_TrqOvISta_Per1_ShiftLeverIsInReverse_Cnt_Igc.value 2 tgt_TrqOvISta_PosTrajHwAngle_HwDeg_f32.value 0 tgt_TrqOvISta_Per1_ShiftLeverIsInReverse_Cnt_Ig		361.01001		
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_ESCMfgEnable_Cnt_lgc.value 1 tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value 1 tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value 1 tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value 1 tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value 1 tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value 1 tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value 1 tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value 1 tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value 1 tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value 1 tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value 1 tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value 1 tgt_TrqOvlSta_Per1_SVARTrgtAngRequest_HwDeg_f32.value 0.200000003 tgt_TrqOvlSta_Per1_SWiftLeverIsinReverse_Cnt_lgc.value 0.200000003 tgt_TrqOvlSta_Per1_SWiftLeverIsinReverse_Cnt_lgc.value 1 tgt_TrqOvlSta_Per1_SWiftLeverIsinReverse_Cnt_lgc.value 1 tgt_TrqOvlSta_Per1_SVARTrgtAngRequest_HwDeg_f32.value 0.200000003 tgt_TrqOvlSta_Per1_SVARTrgtAngRequest_HwDeg_f32.value 0.200000003 tgt_TrqOvlSta_Per1_SWiftLeverIsinReverse_Cnt_lgc.value 1 tgt_TrqOvlSta_Per1_SWiftLeverIsinReverse_Cnt_lgc.value 0.200000003 tgt_TrqOvlSta_Per1_SWiftLeverIsinReverse_Cnt_lgc.value 1 tgt_TrqOvlSta_Per1_SWiftLeverIsinReverse_Cnt_lgc.value 0.200000003 tgt_TrqOvlSta_Per1_SWiftLeverIsinReverse_Cnt_lgc.value 0.200000003 tgt_TrqOvlSta_Per1_SWiftLeverIsinReverse_Cnt_lgc.value 0.2000000003 tgt_TrqOvlSta_Per1_SWiftLeverIsinReverse_Cnt_lgc.value 0.2000000003 tgt_TrqOvlSta_Per1_SWiftLeverIsinReverse_Cnt_lgc.value 0.2000000003 tgt_TrqOvlSta_Per1_SwiftLeverIsinReverse_Cnt_lgc.value 0.2000000003 tgt_TrqOvlSta_Per1_SwiftLeverIsinReverse_Cnt_lgc.value 0.2000000003 tgt_TrqOvlSta_Per1_SwiftLeverIsinReverse_Cnt_lgc.value 0.2000000003 tgt_TrqOvlSta_Per1_SwiftLeverIsinReverse_Cnt_lgc.value 0.200000000000000000000000000000000000	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value			
tgt_TrqOvISta_Per1_GMOSH_APAMfgEnable_Cnt_Igc.value 1 tgt_TrqOvISta_Per1_GMOSH_ESCMfgEnable_Cnt_Igc.value 1 tgt_TrqOvISta_Per1_GMOSH_LKAMfgEnable_Cnt_Igc.value 1 tgt_TrqOvISta_Per1_HapticRequest_Cnt_Igc.value 1 tgt_TrqOvISta_Per1_HapticRequest_Cnt_Igc.value 8.10000038 tgt_TrqOvISta_Per1_HwTorque_HwNm_f32.value 8.10000038 tgt_TrqOvISta_Per1_LKAFault_Cnt_Igc.value 0 tgt_TrqOvISta_Per1_LKAInhibit_Cnt_Igc.value 1 tgt_TrqOvISta_Per1_LKARequest_Cnt_Igc.value 1 tgt_TrqOvISta_Per1_LKARequest_Cnt_Igc.value 1 tgt_TrqOvISta_Per1_MaxSecureVehicleSpeed_Kph_f32.value 1 tgt_TrqOvISta_Per1_MinSecureVehicleSpeed_Kph_f32.value 1 tgt_TrqOvISta_Per1_PosTrajEnable_Cnt_Igc.value 1 tgt_TrqOvISta_Per1_PosTrajEnable_Cnt_Igc.value 1 tgt_TrqOvISta_Per1_SWARTrgtAngRequest_HwDeg_f32.value 0.200000003 tgt_TrqOvISta_Per1_SWARTrgtAngRequest_HwDeg_f32.value 0.200000003 tgt_TrqOvISta_Per1_SWARTrgtAngRequest_HwDeg_f32.value 1 tgt_TrqOvISta_Per1_ShiffLeverIsInReverse_Cnt_Igc.value 1 TrqOvISta_Per1_ShiffLeverIsInReverse_Cnt_Igc.value 1 TrqOvISta_PaState_State_M_enum 1 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_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 0 tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value 1 Name Actual Value Expected Value Result TrqOvlSta_APAState_State_M_enum 1 1				
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value 1 tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value 8.10000038 tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value 8.10000038 tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value 1 tgt_TrqOvlSta_Per1_LKARequest_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_ShiffLeverlsInReverse_Cnt_lgc.value 0 tgt_TrqOvlSta_Per1_ShiffLeverlsInReverse_Cnt_lgc.value 1 tgt_TrqOvlSta_Per3_State_State_Menum 1 TrqOvlSta_EScState_State_Menum 1 TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 0.00200000009 0.00200000009 ± 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 0 tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value 1 Name Actual Value Expected Value Result TrqOvlSta_APAState_State_M_enum 1 1 1 TrqOvlSta_ESCState_State_M_enum 2 2 ✓ TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 0.00200000009 0.00200000009 ± 1 ✓				
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value 0.200000003 tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value 0 tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc.value 1 Name Actual Value Expected Value Result TrqOvlSta_APAState_State_M_enum 1 1 1				
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_ShiftLeverlsInReverse_Cnt_lgc.value 1 Name Actual Value Expected Value Result TrqOvlSta_APAState_State_M_enum 1 1 1 TrqOvlSta_ESCState_State_M_enum 2 2 2 TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 0.00200000009 0.00200000009 ± 1 0.00200000009				
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_ShiftLeverlsInReverse_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 ✓				
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_ShiftLeverlsInReverse_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 ✓				
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_ShiftLeverlsInReverse_Cnt_lgc.value 1 Name Actual Value Expected Value Result TrqOvlSta_APAState_State_Menum 1 1 ✓ TrqOvlSta_ESCState_State_Menum 2 2 ✓ TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 0.00200000009 0.00200000009 ± 1 ✓	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value			
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_ShiftLeverlsInReverse_Cnt_lgc.value 1 Name Actual Value Expected Value Result TrqOvlSta_APAState_State_M_enum 1 1 1 TrqOvlSta_ESCState_State_M_enum 2 2 ✓ TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 0.00200000009 0.00200000009 ± 1 ✓				
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc.value 1 Name Actual Value Expected Value Result TrqOvlSta_APAState_State_M_enum 1 1 1				
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value 0 tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc.value 1 Name Actual Value Expected Value Result TrqOvlSta_APAState_State_M_enum 1 1 1 ✓ TrqOvlSta_ESCState_State_M_enum 2 2 ✓ TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 0.00200000009 0.00200000009 ± 1 ✓				
tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc.value 1 Name Actual Value Expected Value Result TrqOvlSta_APAState_State_M_enum 1 1 1 ✓ TrqOvlSta_ESCState_State_M_enum 2 2 ✓ TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 0.00200000009 0.00200000009 ± 1 ✓				
Name Actual Value Expected Value Result TrqOvlSta_APAState_State_M_enum 1 1 1 √ 7 7 7 7 √ 2 2 √ 2 ✓ 7 7 7 √ 0.00200000009 0.00200000009 ± 1 ✓				
TrqOvlSta_APAState_State_M_enum 1 1 ✓ TrqOvlSta_ESCState_State_M_enum 2 2 ✓ TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 0.00200000009 0.00200000009 ± 1 ✓			Expected Value	Result
TrqOvlSta_ESCState_State_M_enum 2 2 TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 0.00200000009 0.00200000009 ± 1			•	~
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 0.00200000009 0.00200000009 ± 1				~
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32 0.00200000009 0.00200000009 ± 1	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				V
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	~

Name	Input Value
Rte Call Ap TrgOvlSta FaultInjection SCom FltInjection(SignalPath Uls f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
FrgOvISta APAState State M enum	1
FrgOvISta ESCState State M enum	0
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0.460000008
TrgOvlSta ElapsedShiftLevRevTime Sec M f32	45
TrgOvlSta ElapsedStandstillTime Sec M f32	0.850000024
FrgOvISta HapticState State M enum	0
FrgOvISta Hapticdur Cnt M u16	15
FrgOvISta Haptictime Sec M f32	75.6800003
FrgOvlSta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32	-9.85999966
FrgOvlSta HwTorqueSV HwNm M Str.K Uls f32	0.00200000009
FrgOvISta LKAFault Cnt M lgc	0
FrgOvlSta LKAPermFault Cnt M lgc	0
FrgOvISta LKAPermFault Cnt M u08	0
TrgOvlSta LKAState State M enum	0
FrgOvISta PosSrvoHwAngle HwDeg M f32	1.20000005
TrgOvlSta ReadytoPulse Cnt M lgc	0
APAIncludeHaptic Cnt Igc	1
<pre>c_nnindedinaple_ent_ge </pre> <pre>(_APAMaxHwTrqTime_Sec_f32</pre>	0.10999999
APAMaxHwTrq HwNm f32	0.100000001
APAMaxVehSpd Kph f32	0.20000003
C ESCMaxVehSpd Kph f32	10.1000004
C HapticAmplitude MtrNm f32	0
HapticDuration Sec f32	0.50999999
C HapticFreq Hz f32	3
K HapticReacttime Sec f32	0.159999996
C LKAMaxVehSpd Kph f32	0.139999990
CLKAMinVehSpd Kph f32	0.400000006
MaxHapticReqTime Sec f32	0.0149999997
SWARLimiter HwDeg f32	2.20000005
ShiftLevRevTime Sec f32	0.0010000005
StandstillThresh Kph f32	0
κ_StandstillTime Sec f32	0.00100000005
	-8
gt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_Iq	
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_Igc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_Igc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc tgt_TrqOvlSta_Per1_APAState_State_enum

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TrqOvlSta_Per1



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_	<u>f</u> 32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_Igc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f3	32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESClsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESClsLimited_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	1	
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_APAMfgEnab	ole_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnab	ole_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnab	le_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lge	c	
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_MaxSecureVehicleSpe	ed_Kph_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpee	ed_Kph_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lg	ıc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwD	Deg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lge	c	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwD	eg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest	t_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_	_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f3	2	
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_ESClsLimited_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	0.20999993		
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	0.10000001		
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-32.5		
tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc.value	1		
Name	Actual Value	Expected Value	Resul
TrqOvISta APAState State M enum	4	4	
TrqOvISta_ESCState_State_M_enum	4	4	
TrqOvlSta ElapsedAPAMaxHwTrqTime Sec M f32	0.460000008	0.460000008 ± 1	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	45	45 ± 1	
TrqOvISta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	
TrqOvISta_HapticState_State_M_enum	0	0	
TrqOvISta Hapticdur Cnt M u16	15	15 ± 1	
TrqOvlSta_Haptictime_Sec_M_f32	75.6800003	75.6800003 ± 1	
TrqOvISta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32	-9.83985996	-9.83985996 ± 0.000009	
TrqOvlSta_LKAFault_Cnt_M_lgc	0	0 ± 1	
TrqOvISta_LKAPermFault_Cnt_M_lgc	0	0±1	
TrqOvISta_LKAPermFault_Cnt_M_u08	0	0±1 0±1	
TrqOvISta_LKAState_State_M_enum	4	4	
TrqOvISta_PosSrvoHwAngle_HwDeg_M_f32	1.20000005	1.20000005 ± 0.0009765625	
TrqOvISta_ReadytoPulse_Cnt_M_lgc	0	0 ± 1	
tgt TrqOvlSta Per1 APADrvrInterventionDetected Cnt Igc.value	1	1±1	
.gqonota_i ori_ninterventionDetected_Ont_ige.value		'	

4

0

tgt_TrqOvlSta_Per1_APAState_State_enum.value

tgt_TrqOvlSta_Per1_ESCState_State_enum.value

 $tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value$

4

4

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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	1.2000005	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 TrgOvlSta 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
TrqOvISta_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	0.079999982
k_APAMaxVehSpd_Kph_f32	1.7999995
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	1.8999998
k_LKAMinVehSpd_Kph_f32	1.75
k_MaxHapticReqTime_Sec_f32	0.029999993
k_SWARLimiter_HwDeg_f32	3.5999999
k ShiftLevRevTime Sec f32	0.0049999989
k_StandstillThresh_Kph_f32	0.039999991
k_StandstillTime_Sec_f32	0.0049999989
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-7.8499999
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lg	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_Igc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_Igc
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_TrqOviSta.TrqOviSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvISta_Per1_CWFound_Cnt_Igc
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_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESClsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_Igc	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_Igc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_Igc	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_Igc	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 Igc	tgt TrqOvlSta Per1 LKAlnhibit Cnt lgc		
	tgt_TrqOvIsta_Per1_LKARequest_Cnt_Igc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_Igc	tgt_TrqOvlSta_Per1_LKAState_State_enum		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum			
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32 tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	1	· -	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lg		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwD	-	
tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_PosTrajEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDe		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f3		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_Igc	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			
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_ESClsLimited_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	~



Fest Step 3.5 (Repeat Count = 1)	Innut Value
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_TrqOvISta FrqOvISta_APAState_State_M_enum	tgt_Rte_Inst_Ap_TrqOvlSta
FrqOvISta_ESCState_State_M_enum	3
FrqOvISta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	175.460007
FrgOvlSta ElapsedShiftLevRevTime Sec M f32	308.519989
FrqOvlSta_ElapsedStandstillTime_Sec_M_f32	225.639999
FrqOvlSta_HapticState_State_M_enum	2
rqOvlSta_Hapticdur_Cnt_M_u16	684
TrgOvlSta Haptictime Sec M f32	1345
rqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-8.02999973
rqOvlSta_HwTorqueSV_HwNm_M_Str.K_UIs_f32	0.00860000029
rqOvlSta_LKAFault_Cnt_M_lgc	0
rqOvlSta_LKAPermFault_Cnt_M_lgc	1
rqOvlSta_LKAPermFault_Cnt_M_u08	3
rqOvlSta_LKAState_State_M_enum	3
rqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	4.5
rqOvlSta_ReadytoPulse_Cnt_M_lgc	1
_APAIncludeHaptic_Cnt_lgc	1
_APAMaxHwTrqTime_Sec_f32	0.140000001
_APAMaxHwTrq_HwNm_f32	0.239999995
_APAMaxVehSpd_Kph_f32	5.4000001
_ESCMaxVehSpd_Kph_f32	17.2999992
_HapticAmplitude_MtrNm_f32	0.0179999992
_HapticDuration_Sec_f32	0.0450000018
_HapticFreq_Hz_f32	4.55999994
_HapticReacttime_Sec_f32	0.0480000004
_LKAMaxVehSpd_Kph_f32	5.69999981
LKAMinVehSpd_Kph_f32	5.25
_MaxHapticReqTime_Sec_f32	0.059999987
SWARLimiter_HwDeg_f32	6.4000001
_ShiftLevRevTime_Sec_f32	0.0130000003
x_StandstillThresh_Kph_f32	0.119999997 0.0130000003
<pre>:_StandstillTime_Sec_f32 gt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign</pre>	-7.55000019
gt_Rte_Inst_Ap_TrqOviSta_r adminisection_Scotti-r timisection_sign gt_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Per1_APADrvrInterventionDetected_Cnt_Igi	
gt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_APANonRecoverableFaults_Cnt_Igc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
gt Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 APARecoverableFaults Cnt Igc	tgt TrqOvlSta Per1 APARecoverableFaults Cnt lgc
gt Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 APARequest Cnt Igc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
gt Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 APAState State enum	tgt_TrqOvlSta_Per1_APAState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
gt Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 CCWPosition HwDeg f32	tgt TrgOvlSta Per1 CCWPosition HwDeg f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_Igc	tgt TrgOvlSta Per1 CWFound Cnt Igc
at Rte Inst Ap TrqOvISta.TrqOvISta Per1 CWPosition HwDeg f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
pt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
pt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
pt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_Igc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
pt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
	1-4 T0-104- D1 T0F H- f00
gt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_TrqOscFreq_Hz_f32 gt_TrqOvISta_Per1_APANonRecoverableFaults_Cnt_lgc.value	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32

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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_ESClsLimited_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	Y
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.12999995	0.129999995 ± 0.0009765625	V
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.0179999992	0.0179999992 ± 0.0009765625	Y
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	Y
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	4.55999994	4.55999994 ± 0.0009765625	~

Test Step Call Trace				V
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	-6.8099994
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
TrqOvISta_LKAPermFault_Cnt_M_u08	2
TrqOvlSta_KAState_State_M_enum TrqOvlSta PosSrvoHwAngle HwDeg M f32	3 6.6999981
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0.09999901
k_APAIncludeHaptic_Cnt_lgc	0
k_APAMaxHwTrqTime_Sec_f32	0.159999996
k_APAMaxHwTrq_HwNm_f32	0.40000006
k_APAMaxVehSpd_Kph_f32	9
k_ESCMaxVehSpd_Kph_f32	22.1000004
k_HapticAmplitude_MtrNm_f32	0.029999993
k_HapticDuration_Sec_f32	0.075000003
k_HapticPeacttime_Sec_f32	5.57399988 0.079999982
k_HapticReacttime_Sec_f32 k_LKAMaxVehSpd_Kph_f32	9.5
k_LKAMinVehSpd_Kph_f32	8.75
k_MaxHapticReqTime_Sec_f32	0.090000036
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_FitInjection_Sign	-7.25
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_Igc	
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_APANonRecoverableFaults_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_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_Igc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESClsLimited_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_Igc	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_Igc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_Igc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_LKARequest_Cnt_Igc	tgt_TrqOviSta_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_Igc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32 tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32 tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvIsta.TrqOvIsta_Per1_SwARTrgtAngRequest_HwDeg_132 tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_ShiftLeverIsInReverse_Cnt_Igc	tgt_frqOvlSta_Per1_SwAR1rgtAngRequest_Hwbeg_f32 tgt_frqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_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_TrqOvISta_Per1_CCWFound_Cnt_Igc.value	1 204 100095
tgt_TrqOvISta_Per1_CCWPosition_HwDeg_f32.value	-381.109985 1
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	361.130005
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_Igc.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	

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 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

Result
~
~
✓
✓
✓
~
~
~
~
~
~
~
~
~
~
~
~
~
~

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 TrgOvlSta Per1 CP1 CheckpointReached	1	Rte Call TrgOvlSta Per1 CP1 CheckpointReached	1	•

Test Sten 2.7 (Benest Count = 4)	· ·
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

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TrqOvlSta_Per1



Nama	Innut Value			
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	etantad Ont Inc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_Igo				
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_Igc	tgt_TrqOvlSta_Per1_APANonRecoverableF			
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_Igc	tgt_TrqOvlSta_Per1_APARecoverableFaults	s_Cnt_igc		
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	<i>(</i> 22)		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_	_132		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_Igc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc	22		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32 tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_Igc	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f3 tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc	32		
tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc			
tgt Rte Inst Ap TrqOvISta.TrqOvISta Per1 ESCRequest Cnt Igc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc			
tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOviSta_Fer1_ESCNequest_Crit_igc			
	tgt_TrqOvlSta_Fe11_E3C3tate_State_entiti tgt TrqOvlSta Per1 GMOSHOscillateState			
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnate	-		
tgt Rte Inst Ap TrqOvISta.TrqOvISta Per1 GMOSH_APAMIgEnable_Crit_igc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnat			
tgt_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_frqOviSta_Per1_GMOSH_ESCMigEnate			
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_GMOSH_LKAMilgEnable_Cht_lgc				
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_Haptickequest_Crit_igc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgr tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32			
tgt_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_HwTorque_HwNfii_i32			
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_MaxSecureVehicleSpe			
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpee			
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lg			
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwI			
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lg			
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwD			
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngReques			
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_			
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_ESClsLimited_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_ShiftLeverlsInReverse_Cnt_lgc.value	1			
Name	Actual Value	Expected Value	Result	
TrqOvISta_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	~	
TrgOvlSta Hapticdur Cnt M u16	6100	6100 ± 1	✓	

6100

6100 ± 1

TrqOvlSta_Hapticdur_Cnt_M_u16





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	~

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_TrqOvISta	tgt_Rte_Inst_Ap_TrqOvlSta
FrqOvlSta_APAState_State_M_enum	0
FrqOvISta_ESCState_State_M_enum	4
FrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	4418.97998
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	835.559998
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	4409.68018
FrqOvlSta_HapticState_State_M_enum	0
rqOvlSta_Hapticdur_Cnt_M_u16	11150
rqOvlSta_Haptictime_Sec_M_f32	425564
FrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32	-4.36999989
FrqOvlSta_HwTorqueSV_HwNm_M_Str.K_UIs_f32	0.0218000002
FrqOvlSta_LKAFault_Cnt_M_lgc	1
FrqOvlSta_LKAPermFault_Cnt_M_lgc	0
FrqOvlSta_LKAPermFault_Cnt_M_u08	2
FrqOvlSta_LKAState_State_M_enum	1
FrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	11.1000004
rqOvlSta_ReadytoPulse_Cnt_M_lgc	0
_APAIncludeHaptic_Cnt_lgc	1
C_APAMaxHwTrqTime_Sec_f32	0.20000003
_APAMaxHwTrq_HwNm_f32	0.720000029
_APAMaxVehSpd_Kph_f32	16.2000008
_ESCMaxVehSpd_Kph_f32	31.7000008
	0.0540000014
c_HapticDuration_Sec_f32	0.135000005
HapticFreq_Hz_f32	7.63000011
	0.143999994
LKAMaxVehSpd Kph f32	17.1000004
LKAMinVehSpd Kph f32	15.75
MaxHapticRegTime Sec f32	0.150000006
SWARLimiter HwDeg f32	14.8000002
ShiftLevRevTime Sec f32	0.0370000005
C_StandstillThresh_Kph_f32	0.360000014
StandstillTime Sec f32	0.0370000005
gt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-6.6500001
gt_Rte_oaii_Ap_riqoviota_raditinjection_oodii_ritinjection_oign gt_Rte_Inst_Ap_riqoviota_raditinjection_oodii_ritinjection_oign	
gt Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 APANonRecoverableFaults Cnt Igc	
gt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_APARecoverableFaults_Cnt_Igc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
gt_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Fet t_APARecoverableFaults_Citt_igc gt_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverablePaulis_Ont_lgc
gt_Rte_inst_Ap_TrqOviSta.TrqOviSta_Fet1_APARequest_Citt_gt gt_Rte_inst_Ap_TrqOviSta.TrqOviSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWPooition_HuyDog_t22
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32 gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32 tgt TrqOvlSta Per1 CWFound Cnt lgc

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TrqOvlSta_Per1



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Name	Input Value		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f	32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESClsLimited_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		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnal tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEna		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnat		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_Igc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lg		
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_MaxSecureVehicleSpe	- · -	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpe		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_le		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_Hwl		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lg tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwE		
tgt_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Per1_P0sTrajnwArigle_nwDeg_i32 tgt_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvISta_Per1_PosTrajnwArigle_nwL	-	
tgt_Rte_Inst_Ap_InqOviSta.InqOviSta_Fei1_SwarkIngvaligkequest_Hwbeg_isz tgt_Rte_Inst_Ap_InqOviSta.TrqOvISta_Pei1_SwarkIngvaligkequest_Hwbeg_isz	tgt_TrqOvISta_Per1_ShiftLeverIsInReverse		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f3		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lg		
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 tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1		
tgt TrgOvlSta 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	0.18999998		
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-15.3999996		
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_Igc.value	1	1=	1
Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	0	0	
TrqOvlSta_ESCState_State_M_enum TrqOvlSta_ElansedAPAMayHwTrqTime_Sec_M_f32	4 4418.97998	4 4418.97998 ± 1	Ž
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	4418.97998 835.559998	4418.97998 ± 1 835.559998 ± 1	~
TrqOvISta_ElapsedStandstillTime_Sec_M_f32	0	0±1	
TrqOvISta_ElapsedStariustiinTiline_Set_ivi_is2 TrqOvISta_HapticState_State_M_enum	0	0	~
TrgOvISta Hapticdur Cnt M u16	11150	11150 ± 1	-
TrgOvISta Haptictime Sec M f32	425564	425564 ± 1	·
TrgOvlSta_HwTorqueSV_HwNm_M_Str.SV_UIs_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	Y
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4	4	V
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	*
tgt_TrqOvlSta_Per1_LKAState_State_enum.value tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 1 ± 1	
igi_ nqoviola_ren_rosoeiviliable_ont_lgc.value			

0.189999998

tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value

 $tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value$

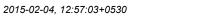
1 ± 1

0.189999998 ± 0.0009765625

tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value

 $tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value$

TrqOvlSta_Per1





0					
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_Checkpointl	Reached	1	~
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCo	m_FltInjection	1	~
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP1_Checkpointl	Reached	1	-

Actual Value

0.0540000014

Test Step 3.9 (Repeat Count = 1)	la constant de la con
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	0.87999995
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	0.43999998
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 Igo	
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_Igc	tgt TrgOviSta Per1 APARecoverableFaults Cnt Igc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOviSta_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 TrgOviSta Per1 CCWFound Cnt lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 CWFound Cnt Igc	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 Igc	tgt TrqOviSta Per1 ESCFault Cnt Igc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvISta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlota.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvIsta_Per1_ESCRequest_Cnt_Igc
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_ESCState_State_enum	tgt_TrqOvISta_Per1_ESCState_enum
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_ESCState_State_enum tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvISta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Fei1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvISta_Per1_GMOSH_APAMfgEnable_Cnt_Igc
tgt_Rte_Inst_Ap_TrqOvIsta.TrqOvIsta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvIsta_Per1_GMOSH_AFAMilgEnable_Cnt_lgc tgt_TrqOvISta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_Igc	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

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



Name	Input Value		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSp	eed_Kph_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpe	ed_Kph_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_	gc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_Hw	Deg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lo	gc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_Hwl	Deg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngReques	st_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse	_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f	32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lg	c	
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_Igc.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	✓
		0	
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	1		•
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value tgt_TrqOvlSta_Per1_LKAState_State_enum.value	1 0	0	· ·
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value tgt_TrqOvlSta_Per1_LKAState_State_enum.value tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1 0 1	0 1 ± 1	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value tgt_TrqOvlSta_Per1_LKAState_State_enum.value tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	1 0 1 0.109999999	0 1 ± 1 0.109999999 ± 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 TrgOvlSta Per1 CP1 CheckpointReached	1	•



Test Step 3.10 (Repeat Count = 1)	Input Value
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_TrqOvISta	tgt_Rte_Inst_Ap_TrqOvlSta
FrqOvISta_APAState_State_M_enum	1 2
FrqOvlSta_ESCState_State_M_enum FrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	11536.2598
TrqOvISta_EtapsedAPAMaxHwTrqTime_Sec_M_IS2 TrqOvISta_EtapsedShiftLevRevTime_Sec_M_IS2	1538.28003
TrqOvISta_ElapsedStandstillTime_Sec_M_f32	11367.5996
FrqOvISta_LiapsedState_State_M_enum	2
TrgOvlSta Hapticdur Cnt M u16	31350
TrgOvISta Haptictime Sec M f32	8134.31982
TrgOvISta HwTorqueSV HwNm M Str.SV UIs f32	0.50999999
rqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0394000001
rqOvlSta_LKAFault_Cnt_M_lgc	0
rqOvlSta_LKAPermFault_Cnt_M_lgc	1
rqOvlSta_LKAPermFault_Cnt_M_u08	4
rqOvlSta_LKAState_State_M_enum	2
rqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	19.8999996
rqOvlSta_ReadytoPulse_Cnt_M_lgc	0
_APAIncludeHaptic_Cnt_lgc	0
_APAMaxHwTrqTime_Sec_f32	0.280000001
_APAMaxHwTrq_HwNm_f32	1.36000001
_APAMaxVehSpd_Kph_f32	30.6000004
_ESCMaxVehSpd_Kph_f32	50.9000015
_HapticAmplitude_MtrNm_f32	0.101999998
_HapticDuration_Sec_f32	0.254999995
C_HapticFreq_Hz_f32	11.7419996
_HapticReacttime_Sec_f32	0.272000015
LKAMaxVehSpd_Kph_f32	32.2999992
_LKAMinVehSpd_Kph_f32	29.75
_MaxHapticReqTime_Sec_f32	0.270000011
SWARLimiter_HwDeg_f32	0.0689999983
:_ShiftLevRevTime_Sec_f32 :_StandstillThresh_Kph_f32	0.680000007
:_StandstillTime_Sec_f32	0.068999983
gt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-5.44999981
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_Igo	
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
gt Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 APARecoverableFaults Cnt Igc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
gt Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 APARequest Cnt Igc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESClsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESClsLimited_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
pt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_Igc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
t_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
t_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
pt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
pt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_Igc	tgt_TrqOvISta_Per1_ShiftLeverIsInReverse_Cnt_Igc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
gt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	11

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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_ESClsLimited_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

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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 Igc	0
k_APAIncludeHaptic_Cnt_lgc	1
k_APAMaxHwTrqTime_Sec_f32	0.30000012
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
	28.7999992
k_SWARLimiter_HwDeg_f32	
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
$tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgcolor=0.00000000000000000000000000000000000$	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 TrqOvISta Per1 CCWFound Cnt Igc
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_Igc	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_ESClsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESClsLimited_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_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 TrqOvISta.TrqOvISta Per1 PosTrajEnable Cnt Igc	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 TrgOvlSta Per1 ShiftLeverlsInReverse Cnt Igc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_Igc	
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_TrqOvISta_Per1_CWPosition_HwDeg_f32.value	361.279999
	1
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.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	-8.80000019
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_Igc.value	0
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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_ShiftLeverlsInReverse_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	~

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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

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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		
$tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgcolor=0.00000000000000000000000000000000000$	tgt_TrqOvlSta_Per1_APADrvrInterventionDe	tected_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFa	aults_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_f3	2	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESClsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESClsLimited_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_Igc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnab	le_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnab	le_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnabl		
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_Igc	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_MaxSecureVehicleSpee	ed_Kph_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpee	d_Kph_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lg	С	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwD	eg_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_HwDe	eg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest	_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_	Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f3:	2	
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_ESClsLimited_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_Igc.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	11.199998		
tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc.value	1		
Name	Actual Value	Expected Value	Result
TrqOvISta_APAState_State_M_enum	3	3	rtosuit
TrqOvISta_ESCState_State_M_enum	3	3	-
TrqOvISta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	-
TrgOvISta_ElapsedAPAMaxHwTrqTillie_Sec_M_i32 TrgOvISta_ElapsedShiftLevRevTime_Sec_M_i32	2065.32007	2065.32007 ± 1	
TraOviSta_ElapsedStandetillTime_Sec_M_f32	0	0.14	

0

2

46500

0 ± 1

46500 ± 1

2

TrqOvlSta_ElapsedStandstillTime_Sec_M_f32

TrqOvlSta_HapticState_State_M_enum

TrqOvlSta_Hapticdur_Cnt_M_u16





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				V
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	~

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
LapticDuration_Sec_f32	0.375
k HapticFreg Hz f32	15.8540001
k HapticReacttime Sec f32	0.40000006
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 TrgOvlSta FaultInjection SCom FltInjection Sign	-4.25
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lg	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_Igc	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_Igc	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_Igc	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

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TrqOvlSta_Per1



Name	Input Value		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f	32	
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_ESClsLimited_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	1	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt TrqOvlSta Per1 GMOSHOscillateState		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnat	ple Cnt Igc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnal		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnab		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lg	c	
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	r	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpe	ed_Kph_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpee		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lg		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwI		
tgt Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 PosTrajEnable Cnt Igc	tgt TrqOvlSta Per1 PosTrajEnable Cnt Ig		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwD		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngReques		
tgt Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 ShiftLeverlsInReverse Cnt Igc	tgt TrqOvlSta Per1 ShiftLeverlsInReverse		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt TrqOvlSta Per1 TrqOscAmp MtrNm f3	- - •	
tgt Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 TrqOscEnable Cnt Igc	tgt TrqOvlSta Per1 TrqOscEnable Cnt Igo		
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_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_TrqOvISta_Per1_APARequest_Cnt_Igc.value	1		
	1		
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	-368.649994		
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value			
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_ShiftLeverlsInReverse_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	~
TrqOvISta_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		
tat TraOvISta Per1 ESCState State enum value	3		
tgt_TrqOvISta_Per1_ESCState_State_enum.value tgt_TrqOvISta_Per1_GMOSHOscillateState_State_enum.value	3	3	~
tgt_TrqOvlSta_Per1_ESCState_State_enum.value tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value tgt_TrqOvlSta_Per1_LKAState_State_enum.value			

0.150000006

 $tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value$

 $tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value$

1 ± 1

0.150000006 ± 0.0009765625

TrqOvlSta_Per1





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 TrgOvlSta Per1 TrgOscFreg Hz f32.value	15.8540001	15.8540001 ± 0.0009765625	•

Test Step Call Trace			V	
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
TrqOvISta_ESCState_State_M_enum	4
TrqOvISta_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	74.099985
k_LKAMinVehSpd_Kph_f32	68.25
k_MaxHapticReqTime_Sec_f32	0.60000024
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 TrqOvISta.TrqOvISta Per1 APADrvrInterventionDetected Cnt Igo	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvISta_Per1_APANonRecoverableFaults_Cnt_Igc
tgt Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 APARecoverableFaults Cnt Igc	tgt TrqOviSta Per1 APARecoverableFaults Cnt Igc
tgt Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 APARequest Cnt Igc	tgt_TrqOvISta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvISta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvISta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32 tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
	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_Igc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_Igc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_ESCRequest_Cnt_Igc	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_Igc	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_Igc	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_Igc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_Igc
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

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Name	Input Value				
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f3	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_	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc			
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngl	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32			
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f	32 tgt_TrqOvlSta_Per1_SWARTrgtAngl	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32			
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverIsInR	teverse_Cnt_lgc			
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_M	trNm_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	z_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_ShiftLeverlsInReverse_Cnt_Igc.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			
	0.00000007	0.233999997 ± 0.0009765625			
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.233999997	0.20000001 1 0.00001 00020			
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	1	1 ± 1	•		

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 TrgOvlSta 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 TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32	51515
TrqOvISta_HwTorqueSV_HwNm_M_Str.K_UIs_f32	0.221000001
TrqOvISta_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 k_APAMaxVehSpd_Kph_f32	4.71999979 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	0.89999976
k_SWARLimiter_HwDeg_f32	4
k_ShiftLevRevTime_Sec_f32	0.237000003
k_StandstillThresh_Kph_f32 k_StandstillTime_Sec_f32	2.3599999 0.237000003
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	0.850000024
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_Igo	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_Igc
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_Igc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32 tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvIsta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvISta_Per1_ESCIsLimited_Cnt_Igc
tgt Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 ESCRequest Cnt Igc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_enum	tgt TrgOvlSta Per1 ESCState State enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_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_Igc	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_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvISta_Per1_LKAFault_Cnt_Igc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInnibit_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Per1_LKARequest_Cnt_lgc tgt_Rte_Inst_Ap_TrqOviSta.TrqOviSta Per1_LKARequest_Cnt_lgc	tgt TrgOvlSta Per1 LKAState State enum
tgt Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 MaxSecureVehicleSpeed Kph f32	tgt TrqOvISta 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_ShiftLeverlsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_Igc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32

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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_ESClsLimited_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				V
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
TrqOvISta_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

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Transcriptor Tran		
Topolitics Abbrevia pit A. 1987	Name	Input Value
Topolisian Justice J	TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TopONES President Specific City 10 1	TrqOvlSta_LKAPermFault_Cnt_M_u08	3
Tripolities	TrqOvlSta_LKAState_State_M_enum	0
L APANDation Facility See, 192 A Experimental See, 192 A Ex	TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	38.2000008
	TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
APAMAWNING R.D. 12	k_APAIncludeHaptic_Cnt_lgc	0
	k APAMaxHwTrgTime Sec f32	0.210999995
L_RSCANCANOSE_LEGAL_NUMBER_2012 0.00000020 L_RSPACEAUTION_SER_DIZ L_RSPACEAU	k_APAMaxHwTrq_HwNm_f32	8.80000019
L_RSCANCANOSE_LEGAL_NUMBER_2012 0.00000020 L_RSPACEAUTION_SER_DIZ L_RSPACEAU		198
ExpedicyMarker (1964) Expedicy		164.300003
Legislation Sec. 102		
Lipschickensensensensensensensensensensensensense		1.64999998
A. Handbrideration See: D2		
Linch Linc		
LAMANIPORS LAM		
Maniferent Front Sec. 52 0.007000006		
S. SWARLINGER-BESCH 20 0.370000005		
SSINLEAWNTIME Sec. 12 LS.Sandstäffend, Np. 12 LS.Sandstäffend, Sec. 1		
Samdaliffmen Kor. 12		
IL SandrathTime, Sec. 12 10.570000005 10.570000005 10.57000005 10.57000005 10.57000005 10.5700005 10.570005 10.57005 10.5		
18 18 Leaf Ap. TrayOSSE Facilitating colors Score Filipedino Sign Sile International Color		
18. Re. Pat A TraCoVSIs TraCoVSIs Pat APANORRECONTENDED 19.		
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15. Rel. pat. Ap. TriOO/Sta TriOO/Sta Part Al-APRecoverable Faults. Chr. Job 15. TriOO/Sta TriOO/Sta TriOO/Sta Part Al-APRecoverable Faults. Chr. Job 15. TriOO/Sta TriOO/Sta TriOO/Sta Part Al-APRecoverable Faults. Chr. Job 15. TriOO/Sta TriOO/Sta TriOO/Sta Part Al-APRecoverable Faults. Chr. Job 15. TriOO/Sta TriOO/Sta TriOO/Sta Part Al-APRecoverable Faults. Chr. Job 15. TriOO/Sta TriOO/Sta TriOO/Sta Part Al-APRecoverable Faults. Chr. Job 15. TriOO/Sta TriOO/Sta TriOO/Sta Part Al-APRecoverable Faults. Chr. Job 15. TriOO/Sta TriOO/Sta TriOO/Sta Part CWPORation HwbGg 122 15. TriOO/Sta TriOO/Sta TriOO/Sta Part CWPORation HwbGg 122 15. TriOO/Sta TriOO/Sta TriOO/Sta Part CWPORation HwbGg 122 15. TriOO/Sta TriOO/Sta TriOO/Sta Part ESCSTault Chr. Job 15. TriOO/Sta TriOO/Sta TriOO/Sta Part ESCSTault State enum 15. TriOO/Sta TriOO/Sta TriOO/Sta TriOO/Sta Part ESCSTault State enum 15. TriOO/Sta TriOO/Sta Part ESCSTault State enum 15. TriOO/Sta TriOO/Sta Part ESCSTault State enum 15. TriOO/Sta TriOO/S		
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19, Rel. pink. Ap. TrqOviSta. Prqci OxFound, Ont. go	tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
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1g. Re. Jand. Ap. TrqOviSta. TrqOviSta. Prof. ESCFault. Cnt.lgo tg. TrqOviSta. Prof. USCS (Limited Cnt.lgo)	tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
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Ig. Rip. Inst. Ap. TrqOv/Sla TrqOv/Sla Perl _GMOSH_LKAM/gEnable_Cnt_ sc st _TrqOv/Sla_Perl _GMOSH_LKAM/gEnable_Cnt_ sc st _TrqOv/Sla_Perl _GMOSH_LKAM/gEnable_Cnt_ sc st _TrqOv/Sla_Perl _ApticRequest_Cnt_ sc st _TrqOv/Sla_Perl _KKAP_autl_Cnt_ sc st _TrqOv/Sla_Perl _MkAP_autl_Cnt_ sc st _TrqOv/Sla_Perl _KKAP_autl_Cnt_ sc st _TrqOv/Sla_Perl _KKAP_autl_Cnt_ sc st _TrqOv/Sla_Perl _KKAP_autl_Cnt_ sc _MkAP_autl_Cnt_ sc _MkAP_autl_Cnt_ sc _MkAP_autl_Cnt_		
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Igt_Rie_Inst_Ap_TrqOviSta_TrqOviSta_Perl_LKAState_state_enum Igt_TrqOviSta_Perl_LKARequest_Cnt_Igc Igt_Rie_Inst_Ap_TrqOviSta_TrqOviSta_Perl_LKAState_State_enum Igt_TrqOviSta_Perl_LKAState_State_enum Igt_Rie_Inst_Ap_TrqOviSta_TrqOviSta_Perl_MinSecureVehicleSpeed_Kph_132 Igt_TrqOviSta_Perl_MinSecureVehicleSpeed_Kph_132 Igt_Rie_Inst_Ap_TrqOviSta_TrqOviSta_Perl_PosSeviEnable_Cnt_Igc Igt_TrqOviSta_Perl_MinSecureVehicleSpeed_Kph_132 Igt_Rie_Inst_Ap_TrqOviSta_TrqOviSta_Perl_PosSeviEnable_Cnt_Igc Igt_TrqOviSta_Perl_PosSeviEnable_Cnt_Igc Igt_Rie_Inst_Ap_TrqOviSta_TrqOviSta_Perl_PosTrajEnable_Cnt_Igc Igt_TrqOviSta_Perl_PosTrajEnable_Cnt_Igc Igt_Rie_Inst_Ap_TrqOviSta_TrqOviSta_Perl_SosTrajEnable_Cnt_Igc Igt_TrqOviSta_Perl_PosTrajEnable_Cnt_Igc Igt_Rie_Inst_Ap_TrqOviSta_TrqOviSta_Perl_ShiffLeverIsinReverse_Cnt_Igc Igt_TrqOviSta_Perl_TrqOsEndepts_HwDeg_132 Igt_Rie_Inst_Ap_TrqOviSta_TrqOviSta_Perl_TrqOsEndepts_Cnt_Igc Igt_TrqOviSta_Perl_ShiffLeverIsinReverse_Cnt_Igc Igt_Rie_Inst_Ap_TrqOviSta_TrqOviSta_Perl_TrqOsEndepts_Cnt_Igc Igt_TrqOviSta_Perl_TrqOsEndepts_HwDeg_132 Igt_Rie_Inst_Ap_TrqOviSta_TrqOviSta_Perl_TrqOsEndepts_Cnt_Igc Igt_TrqOviSta_Perl_TrqOsEndepts_Cnt_Igc Igt_TrqOviSta_Perl_APARecoverableFaults_Cnt_Igc_value 0 Igt_TrqOviSta_Perl_APARecoverableFaults_Cnt_Igc_value 1 Igt_TrqOviSta_Perl_CWPosition_HwDeg_132.value <td></td> <td></td>		
Igt_Rie_Inst_Ap_TrqOviSta_TrqOviSta_Perf_LKAState_State_enum Igt_TrqOviSta_TrqOviSta_Perf_MaxSecureVehicleSpeed_Kph_f32 Igt_TrqOviSta_Perf_MaxSecureVehicleSpeed_Kph_f32 Igt_TrqOviSta_Perf_MaxSecureVehicleSpeed_Kph_f32 Igt_TrqOviSta_Perf_MinSecureVehicleSpeed_Kph_f32 Igt_TrqOviSta_Perf_DosSrovhwAngle_HwDeg_f32 Igt_TrqOviSta_Perf_DosSrovhwAngle_HwDeg_f32 Igt_TrqOviSta_Perf_DosSrovhwAngle_HwDeg_f32 Igt_TrqOviSta_Perf_PosTrqiFinAhAngle_HwDeg_f32 Igt_TrqOviSta_Perf_PosTrqiFinAhAngle_HwDeg_f32 Igt_TrqOviSta_Perf_DosSrovhwAngle_HwDeg_f32 Igt_TrqOviSta_Perf_DosSrovhwAngle_HwDeg_f32 Igt_TrqOviSta_Perf_DosSrovhwAngle_HwDeg_f32 Igt_TrqOviSta_Perf_DosSrovhwAngle_HwDeg_f32 Igt_TrqOviSta_Perf_DosSrovhwAngle_HwDeg_f32 Igt_TrqOviSta_Perf_SosTrqOviSta_Perf_TrqOsSrowHangle_HwDeg_f32 Igt_TrqOviSta_Perf_SosTrqOviSta_Perf_TrqOsSrowHangle_HwDeg_f32 Igt_TrqOviSta_Perf_ToySrowHangle_HwDeg_f32 Igt_TrqOviSta_Perf_ToySrowHangle_HwDeg_f32 Igt_TrqOviSta_Perf_ToySrowHangle_HwDeg_f32 Igt_TrqOviSta_Perf_ToySrowHangle_HwDeg_f32		
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tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32 tgt_TrqOvlSta_Per1_DosServEnable_Cnt_Igc tgt_TrqOvlSta_Per1_PosServEnable_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_PosServEnable_Cnt_Igc tgt_TrqOvlSta_Per1_PosServEnable_Cnt_Igc tgt_TrqOvlSta_Per1_PosServEnable_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_PosTrajEnable_Cnt_Igc tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_Igc tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32 tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32 tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32 tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_Igc tgt_TrqOvlSta_Per1_SwARTrigAngRequest_HwDeg_f32 tgt_TrqOvlSta_Per1_SwARTrigAngRequest_HwDeg_f32 tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_Igc tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_Igc tgt_TrqOvlSta_Per1_TrqOsChang_MitrNm_f32 t		
tg_Rle_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_PosServEnable_Cnt_Igc tgt_Rle_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_d32 tgt_Rle_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_PosTrajEnable_Cnt_Igc tgt_Rle_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_PosTrajEnable_Cnt_Igc tgt_Rle_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_PosTrajEnable_Cnt_Igc tgt_Rle_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_PosTrajEnable_RwDeg_d32 tgt_Rle_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_d32 tgt_Rle_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_SwRRTrgIAngRequest_HwDeg_d32 tgt_Rle_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_ShiftleverisInReverse_Cnt_Igc tgt_Rle_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_TrqOsCEnable_Cnt_Igc tgt_Rle_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_TrqOsCEnable_Cnt_Igc tgt_Rle_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_TrqOsCEnable_Cnt_Igc tgt_Rle_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_TrqOsCEnable_Cnt_Igc tgt_Rle_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_TrqOsCEnable_Cnt_Igc tgt_TrqOvlSta_Per1_TrqOsCEnable_Cnt_Igc tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_Igc_value tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_Igc_value tgt_TrqOvlSta_Per1_APARequest_Cnt_Igc_value tgt_TrqOvlSta_Per1_CWPound_Cnt_Igc_value tgt_TrqOvlSta_Per1_CWPosition_HwDeg_d32_value tgt_TrqOvlSta_Per1_CWPosition_HwDeg_d32_value tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_Igc_value tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_Igc_value tgt_TrqOvlSta_Per1_ESCReques_Cnt_Igc_value tgt_TrqOvlSta_Per1_ESCReques_Cnt_Igc_value tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_Igc_value tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_Igc_value tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_Igc_value tgt_TrqOvlSta_Per1_HwTorque_HwNm_d32_value egt_TrqOvlSta_Per1_HwTorque_HwNm_d32_value egt_TrqOvlSta_Per1_HwTorque_HwNm_d32_value egt_TrqOvlSta_Per1_HwTorque_HwNm_d32_value egt_TrqOvlSta_Per1_HwTorque_HwNm_d32_value egt_TrqOvlSta_Per1_LKAFault_Cnt_Igc_value egt_TrqOvlSta_Per1_LKAFault_Cnt_Igc_value egt_TrqOvlSta_Per1_HwTorque_HwNm_d32_value egt_TrqOvlSta_Per1_HwTorque_HwNm_d32_value egt_TrqOvlSta_Per1_LKAFault_Cnt_Igc_value egt_TrqOvlSta_Per1_LKAFault_Cnt_Igc_value egt_TrqOvlSta		
tgt_Rte_Inst_Ap_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32 tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_PosTrajEnable_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_PosTrajEnable_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32 tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32 tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32 tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_TrqOsCAmp_Mirhim_f32 tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_TrqOsCAmp_Mirhim_f32 tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_TrqOsCAmp_Mirhim_f32 tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_TrqOsCEnable_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_TrqOsCEnable_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_TrqOsCEnable_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvlSta_Per1_APANcoverableFaults_Cnt_Igc.value tgt_TrqOvlSta_Per1_APANcoverableFaults_Cnt_Igc.value tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_Igc.value tgt_TrqOvlSta_Per1_CVFOund_Cnt_Igc.value tgt_TrqOvlSta_Per1_CVFOund_Cnt_Igc.value tgt_TrqOvlSta_Per1_CVFOund_Cnt_Igc.value tgt_TrqOvlSta_Per1_CVFound_Cnt_Igc.value tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_Igc.value tgt_TrqOvlSta_Per1_ESCRequest_Cnt_Igc.value tgt_TrqOvlSta_Per1_ESCRequest_Cnt_Igc.value tgt_TrqOvlSta_Per1_ESCRequest_Cnt_Igc.value tgt_TrqOvlSta_Per1_GMOSH_APAMfetable_Cnt_Igc.value tgt_TrqOvlSta_Per1_GMOSH_APAMfetable_Cnt_Igc.value tgt_TrqOvlSta_Per1_GMOSH_LKAMfetable_Cnt_Igc.value tgt_TrqOvlSta_Per1_GMOSH_LKAMfetable_Cnt_Igc.value tgt_TrqOvlSta_Per1_Hvbrque_HvNm_f32_value 0 tgt_TrqOvlSta_Per1_Hvbrque_HvNm_f32_value 8-10000038 tgt_TrqOvlSta_Per1_LKAFault_Cnt_Igc.value 1		
tg_Rte_Inst_Ap_TrqOvISta_TrqOvISta_Pert_PosTrajEnable_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvISta_TrqOvISta_Pert_PosTrajHwAngle_HwDeg_f32 tgt_Rte_Inst_Ap_TrqOvISta_TrqOvISta_Pert_SWARTrgtAngRequest_HwDeg_f32 tgt_Rte_Inst_Ap_TrqOvISta_TrqOvISta_Pert_SWARTrgtAngRequest_HwDeg_f32 tgt_Rte_Inst_Ap_TrqOvISta_TrqOvISta_Pert_ShiftLeverIshReverse_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvISta_TrqOvISta_Pert_ShiftLeverIshReverse_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvISta_TrqOvISta_Pert_ShiftLeverIshReverse_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvISta_TrqOvISta_Pert_TrqOscAmp_MtrNm_f32 tgt_Rte_Inst_Ap_TrqOvISta_Pert_SvARTrgtAngRequest_HwDeg_f32 tgt_Rte_Inst_Ap_TrqOvISta_Pert_TrqOscAmp_MtrNm_f32 tgt_Rte_Inst_Ap_TrqOvISta_Pert_TrqOscAmp_MtrNm_f32 tgt_TrqOvISta_Pert_TrqOvISta_Pert_TrqOscAmp_MtrNm_f32 tgt_TrqOvISta_Pert_TrqOvISta_Pert_TrqOscFreq_Hz_f32 tgt_TrqOvISta_Pert_ApARreoverableFaults_Cnt_Igc.value tgt_TrqOvISta_Pert_ApARreoverableFaults_Cnt_Igc.value tgt_TrqOvISta_Pert_CWFound_Cnt_Igc.value tgt_TrqOvISta_Pert_CWFound_Cnt_Igc.value tgt_TrqOvISta_Pert_CWFound_Cnt_Igc.value tgt_TrqOvISta_Pert_CWFound_Cnt_Igc.value tgt_TrqOvISta_Pert_EVFound_Cnt_Igc.value tgt_TrqOvISta_Pert_EVFound_Cnt_Igc.value tgt_TrqOvISta_Pert_EVFound_Cnt_Igc.value tgt_TrqOvISta_Pert_EVFound_Cnt_Igc.value tgt_TrqOvISta_Pert_EVFound_Cnt_Igc.value tgt_TrqOvISta_Pert_EVFound_Cnt_Igc.value tgt_TrqOvISta_Pert_EVFound_Cnt_Igc.value tgt_TrqOvISta_Pert_EVFound_Cnt_Igc.value tgt_TrqOvISta_Pert_GMOSH_APAMtgEnable_Cnt_Igc.value tgt_TrqOvISta_Pert_GMOSH_EXAMtgEnable_Cnt_Igc.value tgt_TrqOvISta_Pert_GMOSH_EXAMtgEnable_Cnt_Igc.value tgt_TrqOvISta_Pert_Intproved_HwNm_f32_value tgt_TrqOvISta_Pert_HwTorque_HwNm_f32_value -8.10000038 tgt_TrqOvISta_Pert_LKAFault_Cnt_Igc.value 1 tgt_TrqOvISta_Pert_LKAFault_Cnt_Igc.value 1		
tgt_Re_Inst_Ap_TrqOvlSta_TrqOvlSta_Pert_PosTrajHwAngle_HwDeg_f32 tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Pert_SWARTrgtAngRequest_HwDeg_f32 tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Pert_SWARTrgtAngRequest_HwDeg_f32 tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Pert_SinftLeverIsInReverse_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Pert_TrqOscAmp_MtrNm_f32 tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Pert_TrqOscAmp_MtrNm_f32 tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Pert_TrqOscAmp_MtrNm_f32 tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Pert_TrqOscAmp_MtrNm_f32 tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Pert_TrqOscAmp_MtrNm_f32 tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Pert_TrqOscFreq_Hz_f32 tgt_TrqOvlSta_Pert_APANonRecoverableFaults_Cnt_Igc_value tgt_TrqOvlSta_Pert_APARecoverableFaults_Cnt_Igc_value tgt_TrqOvlSta_Pert_APARecoverableFaults_Cnt_Igc_value tgt_TrqOvlSta_Pert_APARecoverableFaults_Cnt_Igc_value tgt_TrqOvlSta_Pert_CCWPosition_twDeg_f32_value 10t_t_TrqOvlSta_Pert_CCWPosition_twDeg_f32_value 11tgt_TrqOvlSta_Pert_CWPosition_twDeg_f32_value 12t_TrqOvlSta_Pert_CWPosition_HwDeg_f32_value 13t_trqOvlSta_Pert_ESCFault_Cnt_Igc_value 12t_trqOvlSta_Pert_ESCFault_Cnt_Igc_value 13t_trqOvlSta_Pert_ESCFault_Cnt_Igc_value 14tgt_TrqOvlSta_Pert_ESCFault_Cnt_Igc_value 15tgt_TrqOvlSta_Pert_ESCFault_Cnt_Igc_value 15tgt_TrqOvlSta_Pert_ESCFault_Cnt_Igc_value 15tgt_TrqOvlSta_Pert_ESCFault_Cnt_Igc_value 15tgt_TrqOvlSta_Pert_GMOSH_APAMfgEnable_Cnt_Igc_value 11tgt_TrqOvlSta_Pert_GMOSH_ESCMfgEnable_Cnt_Igc_value 11tgt_TrqOvlSta_Pert_ImpticRequest_Cnt_Igc_value 12tgt_TrqOvlSta_Pert_HapticRequest_Cnt_Igc_value		1 - 1 - 1
tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32 tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_SinftLeverlsInReverse_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32 tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32 tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32 tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32 tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32 tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32 tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32 tgt_Rte_Inst_Ap_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32 tgt_Rte_Inst_Ap_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32 tgt_Rte_Inst_Ap_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32 tgt_Rte_Inst_Ap_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32 tgt_Rte_Inst_Ap_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32 tgt_Rte_Inst_Ap_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32 tgt_Rte_Inst_Ap_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32 tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc_value tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc_value tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32_value 10tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32_value 11tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc_value 11tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc_value 11tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc_value 11tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc_value 11tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc_value 11tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc_value 11tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc_value 11tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc_value 11tgt_TrqOvlSta_Per1_HyptoRequest_Cnt_lgc_value 12tgt_TrqOvlSta_Per1_HyptoRequest_Cnt_lgc_value 12tgt_TrqOvlSta_Per1_HyptoRequest_Cnt_lgc_value 12tgt_TrqOvlSta_Per1_HyptoRequest_Cnt_lgc_value 12tgt_TrqOvlSta_Per1_HyptoRequest_Cnt_lgc_value 12tgt_TrqOvlSta_Per1_HyptoRequest_Cnt_lgc_value 12tgt_TrqOvlSta_Per1_HyptoRequest_Cnt_lgc_value 12tgt_TrqOvlSta_Per1_HyptoRequest_Cnt_lgc_value 12tgt_TrqOvlSta_Per1_HyptoRequest_Cnt_lgc_value 12tgt_TrqOvlSta_Per1_HyptoRequest_Cnt_lgc_value 12tgt_TrqOvlSta_Per1_HyptoRequest_Cnt_lgc_v	tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32 tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value 0 tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value 1 tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value 1 tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value 1 tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value 1 tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value 1 tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value 1 tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value 1 tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value 1 tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value 1 tgt_TrqOvlSta_Per1_ESCFault_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_LKAMfgEnable_Cnt_lgc.value 1 tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value 1 tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value 1 tgt_TrqOvlSta_Per1_HwTorque_HwMm_f32_value 2 8.1000038 tgt_TrqOvlSta_Per1_HwTorque_HwMm_f32_value 3 1 tgt_TrqOvlSta_Per1_HwTorque_HwMm_f32_value 3 8.1000038		
tgt_Rte_Inst_Ap_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32 tgt_Rte_Inst_Ap_TrqOvlSta_Per1_TrqOscEnable_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvlSta_Per1_TrqOscEnable_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvlSta_Per1_TrqOscEnable_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvlSta_Per1_TrqOscFreq_Hz_f32 tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_Igc.value 0 tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_Igc.value 0 tgt_TrqOvlSta_Per1_APARequest_Cnt_Igc.value 1 tgt_TrqOvlSta_Per1_CWFound_Cnt_Igc.value 1 tgt_TrqOvlSta_Per1_ESCFault_Cnt_Igc.value 1 tgt_TrqOvlSta_Per1_ESCFault_Cnt_Igc.value 1 tgt_TrqOvlSta_Per1_ESCFault_Cnt_Igc.value 1 tgt_TrqOvlSta_Per1_ESCRequest_Cnt_Igc.value 1 tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_Igc.value 1 tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_Igc.value 1 tgt_TrqOvlSta_Per1_GMOSH_LSCMfgEnable_Cnt_Igc.value 1 tgt_TrqOvlSta_Per1_GMOSH_LSCMfgEnable_Cnt_Igc.value 1 tgt_TrqOvlSta_Per1_GMOSH_LSCMfgEnable_Cnt_Igc.value 1 tgt_TrqOvlSta_Per1_Hymfagequest_Cnt_Igc.value 2 tgt_TrqOvlSta_Per1_Hymfagequest_Cnt_Igc.value 3 tgt_TrqOvlSta_Per1_Hymfagequest_Cnt_Igc.value 3 tgt_TrqOvlSta_Per1_Hymfagequest_Cnt_Igc.value 3 tgt_TrqOvlSta_Per1_Hymfagequest_Cnt_Igc.value 3 tgt_TrqOvlSta_Per1_Hymfagequest_Cnt_Igc.value 4 tgt_TrqOvlSta_Per1_Hy		
tgt_Rte_Inst_Ap_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta_Per1_TrqOscFreq_Hz_f32 tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value 4.8.10000038 tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value 1		tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvISta_Per1_TrqOscFreq_Hz_f32 tgt_TrqOvISta_Per1_APANonRecoverableFaults_Cnt_lgc.value 0 tgt_TrqOvISta_Per1_APARecoverableFaults_Cnt_lgc.value 0 tgt_TrqOvISta_Per1_APARequest_Cnt_lgc.value 1 tgt_TrqOvISta_Per1_CCWFound_Cnt_lgc.value 1 tgt_TrqOvISta_Per1_CCWFound_Cnt_lgc.value 1 tgt_TrqOvISta_Per1_CCWFound_Cnt_lgc.value 1 tgt_TrqOvISta_Per1_CCWFound_Cnt_lgc.value 1 tgt_TrqOvISta_Per1_CWFound_Cnt_lgc.value 1 tgt_TrqOvISta_Per1_CWFound_Cnt_lgc.value 1 tgt_TrqOvISta_Per1_ESCFault_Cnt_lgc.value 1 tgt_TrqOvISta_Per1_ESCFault_Cnt_lgc.value 1 tgt_TrqOvISta_Per1_ESCRequest_Cnt_lgc.value 1 tgt_TrqOvISta_Per1_ESCRequest_Cnt_lgc.value 1 tgt_TrqOvISta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value 1 tgt_TrqOvISta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value 1 tgt_TrqOvISta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value 1 tgt_TrqOvISta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value 1 tgt_TrqOvISta_Per1_HapticRequest_Cnt_lgc.value 1 tgt_TrqOvISta_Per1_HapticRequest_Cnt_lgc.value 1 tgt_TrqOvISta_Per1_HapticRequest_Cnt_lgc.value 2 8.10000038 tgt_TrqOvISta_Per1_LKAFault_Cnt_lgc.value 1	tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_TrqOvISta_Per1_APANonRecoverableFaults_Cnt_lgc.value 0 tgt_TrqOvISta_Per1_APARecoverableFaults_Cnt_lgc.value 1 tgt_TrqOvISta_Per1_CCWFound_Cnt_lgc.value 1 tgt_TrqOvISta_Per1_CCWFound_Cnt_lgc.value 1 tgt_TrqOvISta_Per1_CCWFound_Cnt_lgc.value 363.30998 tgt_TrqOvISta_Per1_CCWFound_Cnt_lgc.value 1 tgt_TrqOvISta_Per1_CWFound_Cnt_lgc.value 361.429993 tgt_TrqOvISta_Per1_CWPosition_HwDeg_f32.value 361.429993 tgt_TrqOvISta_Per1_ESCFault_Cnt_lgc.value 1 tgt_TrqOvISta_Per1_ESCFault_Cnt_lgc.value 1 tgt_TrqOvISta_Per1_ESCRequest_Cnt_lgc.value 1 tgt_TrqOvISta_Per1_ESCRequest_Cnt_lgc.value 1 tgt_TrqOvISta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value 1 tgt_TrqOvISta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value 1 tgt_TrqOvISta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value 1 tgt_TrqOvISta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value 1 tgt_TrqOvISta_Per1_HapticRequest_Cnt_lgc.value 0 tgt_TrqOvISta_Per1_HapticRequest_Cnt_lgc.value -8.10000038 tgt_TrqOvISta_Per1_LKAFault_Cnt_lgc.value 1	tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_TrqOvISta_Per1_APANonRecoverableFaults_Cnt_lgc.value 0 tgt_TrqOvISta_Per1_APARecoverableFaults_Cnt_lgc.value 1 tgt_TrqOvISta_Per1_CCWFound_Cnt_lgc.value 1 tgt_TrqOvISta_Per1_CCWFound_Cnt_lgc.value 1 tgt_TrqOvISta_Per1_CCWFound_Cnt_lgc.value 363.309998 tgt_TrqOvISta_Per1_CWFound_Cnt_lgc.value 1 tgt_TrqOvISta_Per1_CWFound_Cnt_lgc.value 361.429993 tgt_TrqOvISta_Per1_ESCFault_Cnt_lgc.value 1 tgt_TrqOvISta_Per1_ESCFault_Cnt_lgc.value 1 tgt_TrqOvISta_Per1_ESCRequest_Cnt_lgc.value 1 tgt_TrqOvISta_Per1_ESCRequest_Cnt_lgc.value 1 tgt_TrqOvISta_Per1_ESCRequest_Cnt_lgc.value 1 tgt_TrqOvISta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value 1 tgt_TrqOvISta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value 1 tgt_TrqOvISta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value 1 tgt_TrqOvISta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value 1 tgt_TrqOvISta_Per1_HapticRequest_Cnt_lgc.value 1 tgt_TrqOvISta_Per1_HapticRequest_Cnt_lgc.value 2 tgt_TrqOvISta_Per1_HapticRequest_Cnt_lgc.value 3 tgt_TrqOvISta_Per1_HapticRequest_Cnt_lgc.value 3 tgt_TrqOvISta_Per1_HapticRequest_Cnt_lgc.value 4 tgt_TrqOvISta_Per1_HapticRequest_Cnt_lgc.value 3 tgt_TrqOvISta_Per1_HapticRequest_Cnt_lgc.value 4 tgt_TrqOvISta_Per1_HapticRequest_Cnt_lgc.value 4 tgt_TrqOvISta_Per1_HapticRequest_Cnt_lgc.value 4 tgt_TrqOvISta_Per1_HapticRequest_Cnt_lgc.value 4 tgt_TrqOvISta_Per1_HapticRequest_Cnt_lgc.value 4 tgt_TrqOvISta_Per1_LKAFault_Cnt_lgc.value 4 tgt_TrqOvI	tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value -8.10000038 tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value 1		0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value 361.429993 tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value -8.10000038 tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value 1	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value -8.10000038 tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value 1		
tgt_TrqOvlSta_Per1_CWPosition_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_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_HapticRequest_Cnt_lgc.value 0 tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value -8.10000038 tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value 1		
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value 1 tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.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_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_HapticRequest_Cnt_lgc.value 0 tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value -8.10000038 tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value 1		
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value 1 tgt_TrqOvlSta_Per1_ESCIsLimited_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_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_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_ESCFault_Cnt_lgc.value 1 tgt_TrqOvlSta_Per1_ESClsLimited_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_GMOSH_LKAMfgEnable_Cnt_lgc.value 1 tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value 0 tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value -8.10000038 tgt_TrqOvlSta_Per1_LKAFault_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_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_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_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_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_GMOSH_LKAMfgEnable_Cnt_Igc.value 1 tgt_TrqOvlSta_Per1_HapticRequest_Cnt_Igc.value 0 tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value -8.10000038 tgt_TrqOvlSta_Per1_LKAFault_Cnt_Igc.value 1 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_HwTorque_HwNm_f32.value -8.10000038 tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value 1		
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value 1		
tgt_1rqOvlSta_Per1_LKAInhibit_Cnt_lgc.value 0		
	tgt_IrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	U

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Name	Input Value		
tgt TrqOvISta Per1 LKARequest Cnt Igc.value	1		
tgt_TrqOvlSta_Per1_ExARequest_Crit_gc.value tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	20.6000004		
tgt_TrqOvlSta_Fer1_MaxSecureVerlicleSpeed_Kpir_isz.value	41.2000008		
	1		
tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value			
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 Igc.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 Igc.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

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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_Igo			
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_Igc	tgt_TrqOvlSta_Per1_APANonRecoverableFa		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_Igc	tgt_TrqOvlSta_Per1_APARecoverableFaults tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc	_Cnt_igc	
tgt_Rte_Inst_Ap_TrqOvlSta.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 TrqOvISta.TrqOvISta Per1 CCWFound Cnt Igc	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_Igc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f3	2	
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_ESClsLimited_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_		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnab		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnab tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnab		
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Fer1_GivlOSH_ERAWingErlab		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HabitcRequest_Cnt_igc 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_Igc	tgt TrqOvlSta Per1 LKAFault Cnt Igc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_Igc	tgt TrqOvlSta Per1 LKAInhibit Cnt Igc		
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_MaxSecureVehicleSpec	ed_Kph_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpee	d_Kph_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lg	С	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwD		
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_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_ tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f3		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt TrqOvlSta Per1 TrqOscEnable Cnt Igo		
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_ESClsLimited_Cnt_lgc.value tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1		
tgt_TrqOvISta_Per1_ESGRequest_Crit_igc.value	1		
tgt_TrqOviSta_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 6.9000001		
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc.value	0		
		Expected Value	Desult
Name TraCylSta ADAStata State M enum	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum TrqOvlSta_ESCState_State_M_enum	3	3	-
TrqOvISta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	
TrgOvlSta ElapsedShiftLevRevTime Sec M f32	0	0 ± 1	_
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	-
TrqOvlSta_HapticState_State_M_enum	0	0	~
Transista Lantindus Cat M v46	24000	04000 + 4	

31000

31000 ± 1

TrqOvlSta_Hapticdur_Cnt_M_u16





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	Ī	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	~

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 TrqOvIsta	tgt_Rte_cair_Ap_riqovista_rautinjection_sconi_ritinjection_sign
	1
TrqOvISta_APAState_State_M_enum	0
TrqOvISta_ESCState_State_M_enum	2088351
FrqOvISta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	1111
FrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	87934.9609
FrqOvlSta_ElapsedStandstillTime_Sec_M_f32	404784
FrqOvISta_HapticState_State_M_enum	
FrqOvISta_Hapticdur_Cnt_M_u16	41000
FrqOvISta_Haptictime_Sec_M_f32	216790.344
FrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32	-3.4000001
FrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.485000014
FrqOvlSta_LKAFault_Cnt_M_lgc	0
FrqOvlSta_LKAPermFault_Cnt_M_lgc	1
FrqOvlSta_LKAPermFault_Cnt_M_u08	3
FrqOvlSta_LKAState_State_M_enum	2
FrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	43.7999992
FrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
<pre><_APAIncludeHaptic_Cnt_lgc</pre>	0
<pre><_APAMaxHwTrqTime_Sec_f32</pre>	0.254999995
c_APAMaxHwTrq_HwNm_f32	9.11999989
<pre><_APAMaxVehSpd_Kph_f32</pre>	205.199997
c_ESCMaxVehSpd_Kph_f32	15.6000004
C_HapticAmplitude_MtrNm_f32	0
C_HapticDuration_Sec_f32	1.71000004
k_HapticFreq_Hz_f32	56.973999
C_HapticReacttime_Sec_f32	1.824
c_LKAMaxVehSpd_Kph_f32	216.600006
c_LKAMinVehSpd_Kph_f32	199.5
_MaxHapticReqTime_Sec_f32	0.209999993
c_SWARLimiter_HwDeg_f32	20.2000008
C_ShiftLevRevTime_Sec_f32	0.0529999994
_StandstillThresh_Kph_f32	4.55999994
_StandstillTime_Sec_f32	0.0529999994
gt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-6.94999981
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lg	gc tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
gt Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 CWFound Cnt Igc	tgt TrgOvlSta Per1 CWFound Cnt Igc

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Name	Input Value		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f3	32	
tgt Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 ESCFault Cnt lgc	tgt TrqOvlSta Per1 ESCFault Cnt lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESClsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt TrqOvlSta Per1 ESCRequest Cnt Igc		
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvISta_Per1_GMOSH_APAMfgEnab		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvISta_Per1_GMOSH_ESCMfgEnat		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnab		
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_HapticRequest_Cnt_Igc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgd		
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_MaxSecureVehicleSpe		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpee		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lg		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwI	Deg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lg		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwD	eg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest	_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_	_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f3	2	
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		
	1		
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value			
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_ShiftLeverlsInReverse_Cnt_lgc.value	1		
Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	1	1	~
TrqOvlSta ESCState State M enum	3	3	✓
TrgOvlSta ElapsedAPAMaxHwTrgTime Sec M f32	0	0 ± 1	~
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	87934.9609	87934.9609 ± 1	✓
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	
TrgOvlSta HapticState State M enum	1	1	~
TrqOvlSta_Hapticdur_Cnt_M_u16	41000	41000 ± 1	
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	·
	-3.4000001	-3.4000001 ± 0.000009	
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32		0 ± 1	-
TrqOvISta_LKAFault_Cnt_M_lgc	0		-
TrqOvISta_LKAPermFault_Cnt_M_lgc	1	1±1	-
TrqOvISta_LKAPermFault_Cnt_M_u08	3	3 ± 1	
TrqOvlSta_LKAState_State_M_enum	3	3	V
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	~
tgtqo nota_r or i_r occiror iii tigio_r iii bogioz.ratao			

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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 TrgOvlSta Per1 TrgOscFreg Hz f32.value	56.973999	56.973999 ± 0.0009765625	✓

Test Step Call Trace				V
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 Igo	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvISta_Per1_APANonRecoverableFaults_Cnt_Igc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt TrqOviSta Per1 APARecoverableFaults Cnt Igc
tgt Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 APARequest Cnt Igc	tgt_TrqOvISta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvISta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_Igc	tgt_TrqOvISta_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_Igc	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_Igc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_Igc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_Igc	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_Igc	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_Igc	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

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Name	Input Value		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpe	ed Kph f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpee		
tgt Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 PosServEnable Cnt Igc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lg		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwI		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lg		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwD		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngReques		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f3	32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgd	C	
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_ESClsLimited_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	0.18999998		
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	16.5		
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_Igc.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 TrgOvlSta Per1 CP1 CheckpointReached	1	~



Test Step 3.20 (Repeat Count = 1)	Innut Value
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_TrqOvISta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	0
TrqOvlSta_ESCState_State_M_enum TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	1884573
TrgOvlSta ElapsedShiftLevRevTime Sec M f32	83136.8828
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	365508
TrqOvlSta_HapticState_State_M_enum	0
TrqOvISta Hapticdur Cnt M u16	29000
TrqOvlSta Haptictime Sec M f32	198760.641
TrgOvlSta 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 0.648000002
k_HapticAmplitude_MtrNm_f32 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_Igo	c 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_Igc	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_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc tgt TrqOvlSta Per1 CCWPosition HwDeg f32
tgt Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 CWFound Cnt Igc	tgt TrqOviSta Per1 CWFound Cnt lgc
tgt Rte Inst Ap TrqOvISta.TrqOvISta Per1 CWPosition HwDeg f32	tgt_TrqOvISta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt TrgOviSta Per1 ESCFault Cnt Igc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESClsLimited_Cnt_lgc
tgt Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 ESCRequest Cnt Igc	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_Igc	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_Igc	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_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32 tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_inst_Ap_1rqOviSta.1rqOviSta_Per1_PosServEnable_Cnt_igc tgt_Rte_inst_Ap_TrqOviSta.TrqOviSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_frqOvista_Peri_PosServEnable_Cnt_lgc tgt_TrqOvlSta_Peri_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvIsta.TrqOvIsta_Fet 1_FosStvortwAfigte_nwDeg_132 tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvISta_Per1_PosTrajEnable_Cnt_Igc
tgt_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvISta_Per1_PosTrajEnable_Gnt_igc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvISta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_Igc	tgt_TrqOvISta_Per1_ShiftLeverIsInReverse_Cnt_Igc
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_TrqOviSta_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
	1





Input Value		
0		
1		
-386.190002		
1		
361.549988		
1		
1		
1		
1		
1		
1		
1		
8.69999981		
0		
1		
1		
164.800003		
185.399994		
1		
0.150000006		
26.1000004		
1		
Actual Value	Expected Value	Result
0	0	
3	3	
3	3	~
	1	
3	3	~
3 0	3 0 ± 1	~
3 0 83136.8828	3 0 ± 1 83136.8828 ± 1	~
3 0 83136.8828 0	3 0±1 83136.8828±1 0±1	\(\frac{1}{2}\)
3 0 83136.8828 0	3 0±1 83136.8828±1 0±1 0	~
3 0 83136.8828 0 0 29000	3 0 ± 1 83136.8828 ± 1 0 ± 1 0 29000 ± 1	
3 0 83136.8828 0 0 29000 198760.641	3 0±1 83136.8828±1 0±1 0 29000±1 198760.641±1	
3 0 83136.8828 0 0 29000 198760.641 0.449800014	3 0 ± 1 83136.8828 ± 1 0 ± 1 0 29000 ± 1 198760.641 ± 1 0.449800014 ± 0.0000009	
3 0 83136.8828 0 0 29000 198760.641 0.449800014 0	3 0 ± 1 83136.8828 ± 1 0 ± 1 0 29000 ± 1 198760.641 ± 1 0.449800014 ± 0.0000009 0 ± 1	
3 0 83136.8828 0 0 29000 198760.641 0.449800014 0	3 0 ± 1 83136.8828 ± 1 0 ± 1 0 29000 ± 1 198760.641 ± 1 0.449800014 ± 0.0000009 0 ± 1 0 ± 1	
3 0 83136.8828 0 0 29000 198760.641 0.449800014 0	3 0 ± 1 83136.8828 ± 1 0 ± 1 0 29000 ± 1 198760.641 ± 1 0.449800014 ± 0.0000009 0 ± 1 0 ± 1 0 ± 1	
3 0 83136.8828 0 0 29000 198760.641 0.449800014 0 0	3 0 ± 1 83136.8828 ± 1 0 ± 1 0 29000 ± 1 198760.641 ± 1 0.449800014 ± 0.0000009 0 ± 1 0 ± 1 0 ± 1 0	
3 0 83136.8828 0 0 29000 198760.641 0.449800014 0 0 0	3 0 ± 1 83136.8828 ± 1 0 ± 1 0 29000 ± 1 198760.641 ± 1 0.449800014 ± 0.0000009 0 ± 1 0 ± 1 0 ± 1 0 0.150000006 ± 0.0009765625	
3 0 83136.8828 0 0 29000 198760.641 0.449800014 0 0 0 0 0.150000006 1	3 0 ± 1 83136.8828 ± 1 0 ± 1 0 29000 ± 1 198760.641 ± 1 0.449800014 ± 0.0000009 0 ± 1 0 ± 1 0 0.150000006 ± 0.0009765625 1 ± 1 0 ± 1 3	
3 0 83136.8828 0 0 29000 198760.641 0.449800014 0 0 0 0 0.150000006 1	3 0 ± 1 83136.8828 ± 1 0 ± 1 0 29000 ± 1 198760.641 ± 1 0.449800014 ± 0.0000009 0 ± 1 0 ± 1 0 ± 1 0 0.150000006 ± 0.0009765625 1 ± 1 0 ± 1 3 3	
3 0 83136.8828 0 0 29000 198760.641 0.449800014 0 0 0 0 0.150000006 1 0 3 3	3 0±1 83136.8828±1 0±1 0 29000±1 198760.641±1 0.449800014±0.0000009 0±1 0±1 0±1 0 0.150000006±0.0009765625 1±1 0±1 3 3 3	
3 0 83136.8828 0 0 29000 198760.641 0.449800014 0 0 0 0 0.150000006 1	3 0 ± 1 83136.8828 ± 1 0 ± 1 0 29000 ± 1 198760.641 ± 1 0.449800014 ± 0.0000009 0 ± 1 0 ± 1 0 ± 1 0 0.150000006 ± 0.0009765625 1 ± 1 0 ± 1 3 3	
3 0 83136.8828 0 0 29000 198760.641 0.449800014 0 0 0 0 0.150000006 1 0 3 3	3 0±1 83136.8828±1 0±1 0 29000±1 198760.641±1 0.449800014±0.0000009 0±1 0±1 0±1 0 0.150000006±0.0009765625 1±1 0±1 3 3 3	
3 0 83136.8828 0 0 29000 198760.641 0.449800014 0 0 0 0.150000006 1 0 3 3 3 0 0 1	3 0±1 83136.8828±1 0±1 0 29000±1 198760.641±1 0.449800014±0.0000009 0±1 0±1 0±1 0 0.150000006±0.0009765625 1±1 0±1 3 3 3 0 0 0 1±1 0.150000006±0.0009765625	
3 0 83136.8828 0 0 29000 198760.641 0.449800014 0 0 0 0.150000006 1 0 3 3 3 0 0 1 0.150000006 0.648000002	3 0±1 83136.8828±1 0±1 0 29000±1 198760.641±1 0.449800014±0.0000009 0±1 0±1 0±1 0 0.150000006±0.0009765625 1±1 3 3 3 0 0 1±1 0.150000006±0.0009765625 0.648000002±0.0009765625	
3 0 83136.8828 0 0 29000 198760.641 0.449800014 0 0 0 0.150000006 1 0 3 3 3 0 0 1	3 0±1 83136.8828±1 0±1 0 29000±1 198760.641±1 0.449800014±0.0000009 0±1 0±1 0±1 0 0.150000006±0.0009765625 1±1 0±1 3 3 3 0 0 0 1±1 0.150000006±0.0009765625	
	0 1 -386.190002 1 361.549988 1 1 1 1 1 1 1 1 1 1 1 1 1.1 1.1 1.1 1	0 1 -386.190002 1 361.549988 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

Test Step Call Trace				V
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

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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
	93.099985
k_LKAMaxVehSpd_Kph_f32	
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
$tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgcdaps and the state of the state$	
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_Igc	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_Igc	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_Igc	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_TrqOviSta_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_ShiftLeverlsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_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 TrqOviSta Per1 APANonRecoverableFaults Cnt Igc.value	1
tgt TrqOviSta Per1 APARecoverableFaults Cnt Igc.value	1
tgt_TrqOvISta_Per1_APARequest_Cnt_Igc.value	1
tgt_TrqOvISta_Per1_CCWFound_Cnt_lgc.value	1
tgt_TrqOvISta_Per1_CCWPosition_HwDeg_f32.value	-384.410004
tgt_TrqOvISta_Per1_CWFound_Cnt_Igc.value	1
tgt_TrqOvISta_Per1_CWPosition_HwDeg_f32.value	361.579987
	0
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.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	2.4000001
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1

tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value

TrqOvlSta_Per1

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36.4000015 ± 0.0009765625

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_ShiftLeverlsInReverse_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	~

Test Step Call Trace				V
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	~

36.4000015

Test Sten 2 22 (Beneat Count = 4)	a control of the cont
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

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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		
$tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgasers and the property of the pro$	tgt_TrqOvlSta_Per1_APADrvrInterventionDe	etected_Cnt_lgc	
$tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc$	tgt_TrqOvlSta_Per1_APANonRecoverableF	aults_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults	s_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	1	
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_f	32	
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_ESClsLimited_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		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnat		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnal		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnab		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_Igc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lg		
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_Igc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_Igc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_Igc	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_MaxSecureVehicleSpe		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpee		
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_PosServEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lg		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32 tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwI tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lg		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwD		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvISta_Per1_SWARTrgtAngReques		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_		
tgt Rte Inst Ap TrqOvISta.TrqOvISta Per1 TrqOscAmp MtrNm f32	tgt_TrqOviSta_Per1_TrqOscAmp_MtrNm_f3		
tgt Rte Inst Ap TrqOvISta.TrqOvISta Per1 TrqOscEnable Cnt Igc	tgt TrqOvlSta Per1 TrqOscEnable Cnt Igo		
tgt Rte Inst Ap TrqOvISta.TrqOvISta Per1 TrqOscFreq Hz f32	tgt_TrqOvISta_Per1_TrqOscFreq_Hz_f32	•	
tgt TrqOvlSta Per1 APANonRecoverableFaults Cnt Igc.value	0		
tgt_TrqOvISta_Per1_APARecoverableFaults_Cnt_lgc.value	0		
tgt_TrqOviSta_Per1_APARequest_Cnt_lgc.value	0		
tgt_TrqOviSta_Per1_CCWFound_Cnt_lgc.value	0		
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-382.630005		
tgt TrqOvlSta Per1 CWFound Cnt Igc.value	0		
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	361.609985		
tgt TrgOvlSta Per1 ESCFault Cnt Igc.value	0		
tgt TrgOvlSta Per1 ESCIsLimited Cnt Igc.value	0		
tgt_TrqOviSta_Per1_ESCRequest_Cnt_lgc.value	0		
tgt_TrqOviSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	0		
tgt_TrqOviSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1		
tgt TrqOvlSta Per1 GMOSH LKAMfgEnable Cnt Igc.value	0		
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0		
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	2.7000005		
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_Igc.value	0		
Name	Actual Value	Expected Value	Resul
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	•

34002

34002 ± 1

TrqOvlSta_Hapticdur_Cnt_M_u16

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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	~

lame	Input Value
tte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
tte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
rqOvlSta_APAState_State_M_enum	4
rqOvlSta_ESCState_State_M_enum	4
rqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	34667.4219
rqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	5450
rqOvlSta_ElapsedStandstillTime_Sec_M_f32	0
rqOvlSta_HapticState_State_M_enum	1
rqOvlSta_Hapticdur_Cnt_M_u16	5270
rqOvlSta_Haptictime_Sec_M_f32	27475.5293
rqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	5.69000006
rqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0890000015
rqOvlSta_LKAFault_Cnt_M_lgc	0
rqOvlSta_LKAPermFault_Cnt_M_lgc	1
rqOvlSta_LKAPermFault_Cnt_M_u08	4
rqOvlSta_LKAState_State_M_enum	3
rqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	1
rqOvlSta_ReadytoPulse_Cnt_M_lgc	0
_APAIncludeHaptic_Cnt_lgc	1
_APAMaxHwTrqTime_Sec_f32	0.376666665
_APAMaxHwTrq_HwNm_f32	3.75999999
_APAMaxVehSpd_Kph_f32	84.5999985
_ESCMaxVehSpd_Kph_f32	1
_HapticAmplitude_MtrNm_f32	0.282000005
_HapticDuration_Sec_f32	0.704999983
_HapticFreq_Hz_f32	3.25
_HapticReacttime_Sec_f32	0.751999974
_LKAMaxVehSpd_Kph_f32	89.3000031
_LKAMinVehSpd_Kph_f32	82.25
MaxHapticReqTime_Sec_f32	0.720000029
SWARLimiter_HwDeg_f32	0
_ShiftLevRevTime_Sec_f32	0.188999996
_StandstillThresh_Kph_f32	4
StandstillTime_Sec_f32	0.188999996
at Rte Call Ap TrgOvlSta FaultInjection SCom FltInjection Sign	-1
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lg	gc tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
pt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	
at Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 APARecoverableFaults Cnt Igc	tqt TrgOvlSta Per1 APARecoverableFaults Cnt lqc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
at Rte Inst Ap TrgOvISta.TrgOvISta Per1 CCWFound Cnt Igc	tgt TrqOvISta Per1 CCWFound Cnt Igc
gt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
pt Rte Inst Ap TrqOvISta.TrqOvISta Per1 CWFound Cnt Igc	tgt TrqOvISta Per1 CWFound Cnt Igc

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Input Value

TrqOvlSta_Per1

Name



Tiumo	par raido				
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_ESClsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESClsLimited_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	1			
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_LKAMfgEnab				
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lg				
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_TrqOvISta.TrqOvISta_Per1_LKAInhibit_Cnt_Igc	tgt TrqOvlSta Per1 LKAInhibit Cnt Igc				
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_LKARequest_Cnt_Igc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc				
tgt Rte Inst Ap TrqOvISta.TrqOvISta Per1 LKAState State enum	tgt_TrqOvlSta_Per1_LKAState_State_enum				
tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvISta_Per1_MaxSecureVehicleSpe				
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvISta_Per1_MinSecureVehicleSpec				
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lg				
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwI				
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lg				
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwD	-			
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngReques				
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_ShiftLeverIsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse				
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f3				
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgd				
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_ShiftLeverlsInReverse_Cnt_lgc.value	0				
Name	Actual Value	Expected Value	Resul		
TrqOvISta_APAState_State_M_enum	4	4			
TrgOvISta ESCState State M enum	4	4			
TrqOvISta ElapsedAPAMaxHwTrqTime Sec M f32	0	0 ± 1			
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0	0±1 0±1			
TrqOvISta_ElapsedStandstillTime_Sec_M_f32	0.00200000009	0 ± 1			
	1	1			
TrqOvISta_HapticState_State_M_enum					
TrqOvISta_Hapticdur_Cnt_M_u16	5270 5270 ± 1				
TrqOvISta_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			
TrgOvISta LKAPermFault Cnt M lgc	1	1 + 1			

U		
Actual Value	Expected Value	Result
4	4	~
4	4	•
0	0 ± 1	~
0	0 ± 1	~
0.00200000009	0 ± 1	~
1	1	~
5270	5270 ± 1	~
0	0 ± 1	~
5.69000006	5.69000006 ± 0.000009	~
0	0 ± 1	~
1	1 ± 1	~
4	4 ± 1	~
3	3	~
1	1 ± 0.0009765625	~
0	0 ± 1	~
0	0 ± 1	~
4	4	~
4	4	~
1	1	~
3	3	~
0	0 ± 1	~
1	1 ± 0.0009765625	~
	Actual Value 4 4 0 0 0.002000000000 1 5270 0 5.69000006 0 1 4 3 1 0 0 4 4 1 3	Actual Value 4 4 4 4 0 0 0±1 0 0±1 0 0.00200000009 0±1 1 1 1 5270 5270±1 0 0±1 5.69000006 5.69000006±0.000009 0 0±1 1 1±1 4 4±1 3 3 1 1±0.0009765625 0 0±1 4 4 4 4 1 1 3 0 0±1 1 3 0 0±1

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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				V
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
	14.800002
k_SWARLimiter_HwDeg_f32	
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 Ig	
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_Igc	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_ESClsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESClsLimited_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 TrqOvISta.TrqOvISta Per1 HapticRequest Cnt Igc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Fet1_nw10tque_nwttli_l52 tgt_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Pet1_LKAFault_Cnt_lgc	tgt_TrqOvISta_Per1_LKAFault_Cnt_lgc
	tgt_TrqOvISta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_Igc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc

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Name	Input Value		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSp	peed_Kph_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSp	eed_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		
$tgt_Rte_Inst_Ap_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32000000000000000000000000000000000000$	tgt_TrqOvlSta_Per1_SWARTrgtAngReque	est_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverIsInRevers	e_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_I	gc	
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	1 361.670013		
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1		
tgt_TrqOvISta_Per1_ESCIsLimited_Cnt_Igc.value	1		
tgt_TrqOvISta_Per1_ESCIsEIIIIIeu_Crit_igc.value	1		
tgt_TrqOvISta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1		
tgt TrqOvlSta Per1 GMOSH ESCMfgEnable Cnt lgc.value	1		
tgt TrqOviSta Per1 GMOSH LKAMfgEnable Cnt lgc.value	1		
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0		
tgt_TrqOviSta_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_ShiftLeverlsInReverse_Cnt_lgc.value	1		
Name	Actual Value	Expected Value	Result
TrqOvISta_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_UIs_f32	-4.20148611	-4.20148611 ± 0.000009	
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1±1	· ·
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0 2	0 ± 1	
TrqOvISta_LKAPermFault_Cnt_M_u08 TrqOvISta_LKAState_State_M_enum	0	2 ± 1	
TrqOvlSta_LKAState_State_M_enum TrqOvlSta PosSrvoHwAngle HwDeg M f32	0.189999998	0.189999998 ± 0.0009765625	
TrqOvISta_PosSiVoHwArigie_Hwbeg_ivi_is2 TrqOvISta_ReadytoPulse_Cnt_M_lgc	0.169999996	0.169999996 ± 0.0009765625	
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	1	1±1	
tgt TrqOvISta Per1 APAState State enum.value	1	1	
tgt_TrqOvISta_Per1_ESCState_State_enum.value	4	4	
tgt TrqOvlSta Per1 GMOSHOscillateState State enum.value	0	0	
tgt_TrqOviSta_Per1_LKAState_State_enum.value	0	0	
tgt TrqOvlSta Per1 PosServEnable Cnt lgc.value	1	1 ± 1	
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.18999998	0.189999998 ± 0.0009765625	
tgt_TrqOviSta_Per1_TrqOscAmp_MtrNm_f32.value	0.0540000014	0.0540000014 ± 0.0009765625	•
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	•
tgt_rrqoviota_r crr_rrqosc_nabic_ont_igc.value			

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 TrgOvlSta 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_TrqOvISta	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 TrqOvlSta HwTorqueSV HwNm M Str.SV UIs f32	425564 -4.3699989
TrqOvISta_HwTorqueSV_HwNm_M_Str.K_UIs_f32	0.0218000002
TrqOvISta_LKAFault_Cnt_M_lgc	1
TrgOvlSta 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	0.20000003
k_APAMaxHwTrq_HwNm_f32	0.720000029
k_APAMaxVehSpd_Kph_f32	70.1999969 31.7000008
k_ESCMaxVehSpd_Kph_f32 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 k_StandstillTime_Sec_f32	0.360000014 0.0370000005
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-6.6500001
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_Igi	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOviSta_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_Igc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32 tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt Rte Inst Ap TrqOvISta.TrqOvISta Per1 ESCIsLimited Cnt Igc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt Rte Inst Ap TrqOvISta.TrqOvISta Per1 ESCRequest Cnt Igc	tgt_TrqOvIsta_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_Igc	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_Igc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_Igc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt Rte Inst Ap TrqOvISta.TrqOvISta Per1 LKARequest_Crit_igc	tgt TrqOvISta Per1 LKAState State enum
tgt Rte Inst Ap TrqOvISta.TrqOvISta Per1 MaxSecureVehicleSpeed Kph f32	tgt TrqOvISta Per1 MaxSecureVehicleSpeed Kph f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlota_rer_maxoccureVehicleSpeed_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_ShiftLeverlsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc
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_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
TOTAL TOTAL AU TROUVISIA FROM PER TROUSCHED HZ 132	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
	0
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_Igc.value tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_Igc.value	0





Name	Input Value		
	0		
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value tgt TrqOvlSta Per1 CCWFound Cnt lgc.value	0		
tgt TrqOvlSta Per1 CCWPosition HwDeg f32.value	-377.290009		
tgt TrqOvISta Per1 CWFound Cnt Igc.value	1		
	361.700012		
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	1		
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1		
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1		
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1		
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1		
tgt_TrqOviSta_Per1_GMOSH_ESCMigEnable_Cnt_igc.value	1		
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0		
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	3.3599999		
tgt_TrqOvISta_Per1_LKAFault_Cnt_Igc.value	1		
	1		
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0		
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	69.4000015		
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	79.1999969		
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc.value	1		
	0.18999998		
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	-15.3999996		
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	1		
tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc.value		le	- "
Name	Actual Value	Expected Value	Result
TrqOvISta_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
TrgOvISta LKAFault Cnt M lgc	1

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TIQOVISIA_PELL	MACIMI
Name	Input Value
rqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	2
TrqOvlSta_LKAState_State_M_enum	1
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	11.1000004
FrqOvlSta_ReadytoPulse_Cnt_M_lgc	0
< APAIncludeHaptic_Cnt_lgc < APAMovHwTraTime_Soc_623	0.200000003
<_APAMaxHwTrqTime_Sec_f32 <_APAMaxHwTrq_HwNm_f32	0.720000003
CAPAMaxVehSpd_Kph_f32	70.1999969
CALAMAXVIODO_RDI_IO2 CESCMaxVehSpd_Kph_f32	31.700008
C_HapticAmplitude_MtrNm_f32	0.0540000014
t_HapticDuration_Sec_f32	0.135000005
HapticFreq Hz f32	7.63000011
	0.143999994
_LKAMaxVehSpd_Kph_f32	17.1000004
_LKAMinVehSpd_Kph_f32	15.75
_MaxHapticReqTime_Sec_f32	0.150000006
_SWARLimiter_HwDeg_f32	14.8000002
_ShiftLevRevTime_Sec_f32	0.0370000005
_StandstillThresh_Kph_f32	0.360000014
_StandstillTime_Sec_f32	0.0370000005
pt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-6.6500001
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_Igr	
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_Igc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_Igc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
gt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_CWFound_Cnt_Igc gt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
gt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvIsta.TrqOvIsta_Per1_ESCIsLimited_Cnt_Igc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_ESCRequest_Cnt_Igc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
gt Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 GMOSH ESCMfgEnable Cnt Igc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
pt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value gt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0
gt_TrqOvlSta_Per1_APARecoverable=aults_Gtt_gc.value	0
gt_TrqOvlSta_Per1_APARequest_Crit_lgc.value gt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value	0
pt_TrqOvISta_Per1_CCWPosition_HwDeg_f32.value	-375.51001
pt_TrqOvISta_Per1_CWFound_Cnt_Igc.value	1
gt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	361.730011
pt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
gt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
gt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
gt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
gt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
gt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
gt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
gt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	3.3599999
The College Board LIVA Foult Cont. Inc. value	1
gt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	

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Immut Value		
· ·		
11. 11.1.		
•		
'		
Actual Value	Expected Value	Result
0	0	~
4	4	~
4418.97998	4418.97998 ± 1	✓
835.559998	835.559998 ± 1	✓
0	0 ± 1	~
0	0	✓
11150	11150 ± 1	~
0	0 ± 1	✓
-4.20148611	-4.20148611 ± 0.000009	~
1	1 ± 1	✓
0	0 ± 1	✓
2	2 ± 1	✓
0	0	✓
0.189999998	0.189999998 ± 0.0009765625	✓
0	0 ± 1	~
1	1 ± 1	✓
0	0	~
4	4	✓
0	0	-
0	0	✓
1	1 ± 1	~
0.189999998	0.189999998 ± 0.0009765625	✓
0.0540000014	0.0540000014 ± 0.0009765625	~
0	0 ± 1	•
7.63000011	7.63000011 ± 0.0009765625	~
	4 4418.97998 835.559998 0 0 11150 0 -4.20148611 1 0 2 0 0.189999998 0 1 0 0 1 0.189999998 0 0 1 0.189999998 0.0540000014 0	0 69.4000015 79.1999969 1 0.18999998 -15.3999996 1 Actual Value 0 4 4418.97998 435.559998 4418.97998 ± 1 835.559998 10 0 0 11150 0 11150 11150 11150 11150 11150 11150 11150 11150 11150 11150 0 11150 0 11150 0 11150 0 11150 0 11150 0 11150 0 11150 0 11150 0 11150 0 11150 0 11150 0 11150 0 11150 0 11150 0 0 11150 0 11150 0 0 11150 0 0 11150 0 0 11150 0 0 0

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

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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_Igo			
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_Igc	tgt_TrqOvlSta_Per1_APANonRecoverablel		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_Igc	tgt_TrqOvlSta_Per1_APARecoverableFaul		
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_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_APAState_State_enur tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc	II.	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvISta_Per1_CCWPosition_HwDeg	ı f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvISta_Per1_CWFound_Cnt_lgc	_102	
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_Igc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESClsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_Ige	0	
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_enui	m	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState	e_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEna	ble_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEna	ble_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEna		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lg	•	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f3:	2	
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_enur		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSp		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32 tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_MinSecureVehicleSpe tgt_TrqOvlSta_Per1_PosServEnable_Cnt_	· -	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvISta_Per1_PosSrvoHwAngle_Hw		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_k		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_Hwl		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngReques		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse	e_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f	32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lg	jc	
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 tgt_TrqOvlSta_Per1_ESClsLimited_Cnt_lgc.value	1		
tgt_TrqOvISta_Per1_ESCRequest_Cnt_Igc.value	1		
tgt_TrqOviSta_Per1_ESCRequest_Crit_igc.value	1		
tgt_TrqOviSta_Per1_GMOSH_ESCMfgEnable_Cnt_igc.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_ShiftLeverlsInReverse_Cnt_lgc.value	1	I	1_
Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	0	0	
TrqOvlSta_ESCState_State_M_enum	4	4449.07000 + 4	•
TrqOvISta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	4418.97998	4418.97998 ± 1	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32 TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	835.559998	835.559998 ± 1	

0

0

11150

0 ± 1

11150 ± 1

0

TrqOvlSta_ElapsedStandstillTime_Sec_M_f32

TrqOvlSta_HapticState_State_M_enum

TrqOvlSta_Hapticdur_Cnt_M_u16





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	~

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_TrqOvISta	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	-4.3699989
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 TrgOvlSta FaultInjection SCom FltInjection Sign	-6.6500001
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_I	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	
tgt Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 APARecoverableFaults Cnt Igc	tgt_TrgOvlSta_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 TrgOvlSta.TrgOvlSta Per1 CCWFound Cnt Igc	tgt TrqOvISta Per1 CCWFound Cnt Igc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvISta_Per1_CCWPosition_HwDeg_f32
tgt Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 CWFound Cnt Igc	tgt_TrqOviSta_rer_cown osition_Twbeg_isz

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TrqOvlSta_Per1



Name	Input Value		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f3	32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESClsLimited_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_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSHOscillateState_ tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnab	-	
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_GMOSH_ESCMfgEnable_Cnt_Igc	tgt_TrqOvIsta_Per1_GMOSH_ESCMfgEnab		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnab		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lge		
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_Igc	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_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_LKAState_State_enum tgt_TrqOvlSta_Per1_MaxSecureVehicleSpe		
tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvISta_Per1_MinSecureVehicleSpee		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lg		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwE		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lg	2	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwD	eg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest	t_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f3		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	;	
tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_TrqOscFreq_Hz_f32 tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32		
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 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 tgt TrqOvlSta_Per1_PosTrajHwAngle HwDeg f32.value	0.189999998		
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-15.3999996		
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_Igc.value	1		
Name	Actual Value	Expected Value	Result
TrqOvISta_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	*
TrqOvISta_Hapticdur_Cnt_M_u16	11150	11150 ± 1	Y
TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_HapticraneSty_Haptine_M_Str_Sty_Lilio_f32	-4.20148611	425564 ± 1 -4.20148611 ± 0.000009	*
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32 TrqOvlSta_LKAFault_Cnt_M_lgc	1	1±1	-
TrgOviSta LKAPermFault Cnt M lgc	0	0 ± 1	-
TrqOviSta_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 tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 1 ± 1	
tot TrgOvISta Per1 PosSrvoHwAngle HwDeg f32.value	0.18999998	0.189999998 ± 0.0009765625	

0.189999998

 $tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value$

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				V
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	20.200008
k_ShiftLevRevTime_Sec_f32	0.0529999994
k_StandstillThresh_Kph_f32	4.5599994
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 Igo	
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_Igc	tgt TrqOvlSta Per1 APARecoverableFaults Cnt Igc
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_Igc	tgt TrqOvISta Per1 CCWFound Cnt Igc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt Rte Inst Ap TrqOvISta.TrqOvISta Per1 CWFound Cnt Igc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvISta_Per1_CWPosition_HwDeg_f32
tgt Rte Inst Ap TrqOvISta.TrqOvISta Per1 ESCFault Cnt Igc	tgt TrqOvISta Per1 ESCFault Cnt Igc
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvIsta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlota.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvISta_Per1_ESCRequest_Cnt_Igc
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_ESCState_State_enum	tgt_TrqOvISta_Per1_ESCState_enum
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_E3cState_State_enum tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvISta_Per1_GMOSHOscillateState_State_enum
tgt Rte Inst Ap TrqOvISta.TrqOvISta Per1 GMOSH APAMfgEnable Cnt Igc	tgt_TrqOvISta_Per1_GMOSH_APAMfgEnable_Cnt_Igc
tgt_Rte_Inst_Ap_TrqOvIsta.TrqOvIsta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvIsta_Per1_GMOSH_AFAMilgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_Igc	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_Igc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
	tgt_TrqOvlSta_Per1_LKAState_State_enum

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Name	Input Value		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSp	eed_Kph_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpe	eed_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_ShiftLeverlsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse	e_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_lg	jc	
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_ESClsLimited_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_Igc.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 TrgOvlSta Per1 CP1 CheckpointReached	1	•



Test Step 3.30 (Repeat Count = 1)	Input Value
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_TrqOvISta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	3
TrqOvlSta_ESCState_State_M_enum TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	2020425
TrgOvlSta_ElapsedAFAWaXrWTrqTiffle_Sec_W_IS2 TrgOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	86335.6016
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	391692
TrqOvlSta_HapticState_State_M_enum	2
TrqOvISta Hapticdur Cnt M u16	31000
TrqOvISta Haptictime Sec M f32	210780
TrgOvlSta HwTorqueSV HwNm M Str.SV Uls f32	-5.1500001
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_UIs_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 k_HapticFreq_Hz_f32	1.63499999 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	0.032999998
k_StandstillThresh_Kph_f32	4.36000013
k_StandstillTime_Sec_f32	0.032999998
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-7.25
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_Igo	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_Igc	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_Igc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt TrqOvISta Per1 GMOSH APAMfgEnable Cnt Igc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvISta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt TrqOviSta Per1 GMOSH LKAMfgEnable Cnt Igc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_Igc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_Igc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_Igc
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_TrqOviSta.TrqOviSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOviSta.TrqOviSta_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_Igc	tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc
	Last Toroniote Dead Toronio Assa Mahlus 600
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.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_TrqOscAmp_MtrNm_f32	

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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_ESClsLimited_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_Igc.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				V
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

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	Input Value
	1
	3
,	2 43.7999992
	1
, = , = = = =	0
	0.254999995
k_APAMaxHwTrq_HwNm_f32	9.11999989
	205.199997
	15.6000004
	0
	1.71000004
	56.973999 1.824
	216.600006
	199.5
	0.20999993
k_SWARLimiter_HwDeg_f32	20.2000008
	0.0529999994
	4.55999994
	0.0529999994
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FitInjection_Sign	-6.94999981 tgt TrgOvlSta Per1 APADrvrInterventionDetected Cnt Igc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_frqOvlSta_Per1_APADrvrinterventionDetected_Cnt_lgc tgt_frqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
	tgt_TrqOvlSta_Per1_APARcoverableFaults_Cnt_lgc
	tgt_TrqOvISta_Per1_APARequest_Cnt_Igc
	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_TrqOvlSta_Per1_CWFound_Cnt_lgc
	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc tgt_TrqOvlSta_Per1_ESClsLimited_Cnt_lgc
	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
	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_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32 tgt_TrqOvlSta_Per1_LKAFault_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_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_PosTrajEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
	tgt_frqOvlSta_Per1_Pos1rajHwAngle_HwDeg_f32 tgt_frqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
	tgt_TrqOvISta_Per1_ShiftLeverIsInReverse_Cnt_Igc
	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
	0
0_	0
	1
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	1 -366.609985
	1
	361.880005
	1
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	1
0_ , 0	1
	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	

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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_Igc.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

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TrqOvlSta_Per1



Name	Input Value		
k_LKAMinVehSpd_Kph_f32	199.5		
k_MaxHapticReqTime_Sec_f32	0.20999993		
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	0	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_Igo			
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_Igc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults tgt_TrqOvlSta_Per1_APARecoverableFaults		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOviSta_Fe11_AFARecoverableFaults tgt TrqOviSta Per1 APARequest Cnt lgc	5_GIIL_IgC	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt TrqOvlSta_rer1_Ar Arequest_Citt_igc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_Igc	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_Igc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc	•	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f3	32	
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_ESClsLimited_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	1	
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_Igc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnab		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnab		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnab		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgd		
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_Igc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_Igc	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_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_LKAState_State_enum tgt_TrqOvlSta_Per1_MaxSecureVehicleSpe		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpee		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lg		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwD		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lge		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwD		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest	t_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_	_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f3	2	
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 1		
tgt_TrqOvISta_Per1_ESCFault_Cnt_Igc.value	1		
tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1		
tgt_TrqOvlSta_Per1_ESCRequest_Crit_igc.value tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_igc.value	1		
tgt TrqOvISta Per1 GMOSH ESCMfgEnable Cnt Igc.value	1		
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1		
tgt TrqOvISta Per1 HapticRequest Cnt Igc.value	0		
tgt_TrqOvISta_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_ShiftLeverlsInReverse_Cnt_lgc.value	1		
Name	Actual Value	Expected Value	Resul
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	
TrqOvISta_ElapsedStandstillTime_Sec_M_f32 TrqOvISta_HanticState_State_M_enum	0	0 ± 1	
TrqOvlSta_HapticState_State_M_enum	1	1	

41000

41000 ± 1

TrqOvlSta_Hapticdur_Cnt_M_u16





Name	Actual Value	Expected Value	Result
TrqOvISta_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				V
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	~

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 TrqOvIsta	tgt Rte Inst Ap TrqOvlSta
rqOvISta_APAState_State_M_enum	1
rqOvISta_ESCState_State_M_enum	1
rqOvISta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0
rgOvlSta ElapsedShiftLevRevTime Sec M f32	0
rqOvlSta ElapsedStandstillTime Sec M f32	0
rqOvISta HapticState State M enum	0
rqOvISta_Hapticdur_Cnt_M_u16	44450
rgOvISta Haptictime Sec M f32	0
rqOviSta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32	-1.64999998
rgOvlSta HwTorqueSV HwNm M Str.K Uls f32	0.419
rqOviSta_mwTorqueSv_mwNifi_ivi_Str.K_Uis_i32 FrqOviSta_LKAFault_Cnt_M_lgc	0.419
rqOviSta_EKAPermFault_Cnt_in_igc	0
rqOvISta_LKAPermFault_Cnt_M_u08	1
rqOvISta_LKAState_State_M_enum	0
TrgOvISta_ExAState_State_M_enum TrgOvISta_PosSrvoHwAngle_HwDeg_M_f32	1.3999998
rqOvlSta ReadytoPulse Cnt M lgc	0
APAIncludeHaptic Cnt lgc	1
APAMaxHwTrqTime Sec f32	0.601666689
APAMaxHwTrq HwNm f32	0
APAMaxVehSpd Kph f32	138.600006
_ESCMaxVehSpd_Kph_f32	12
: HapticAmplitude MtrNm f32	0.462000012
HapticDuration Sec f32	1.15499997
K_HapticFreq Hz f32	32.3019981
- ·	1.23199999
:_HapticReacttime_Sec_f32	146,300003
CLKAMaxVehSpd_Kph_f32	
K_LKAMinVehSpd_Kph_f32	100 0.60000024
(_MaxHapticReqTime_Sec_f32	0.600000024
SSWARLimiter_HwDeg_f32	0.308999985
SchiftLevRevTime_Sec_f32	
s_StandstillThresh_Kph_f32	0
StandstillTime_Sec_f32	0.308999985
gt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_Ig	
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_Igc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32 gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32 tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc

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Name	Input Value		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f3	32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESClsLimited_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_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvISta_Per1_GMOSH_APAMfgEnab		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvISta_Per1_GMOSH_ESCMfgEnat		
	tgt_TrqOvISta_Fe1_GMOSH_LSCMigEnab		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc		*	
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_HapticRequest_Cnt_Igc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgd		
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_MaxSecureVehicleSpe		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpee		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lg		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwI	Deg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lg		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwD	eg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest	_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_	_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f3	2	
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_ShiftLeverlsInReverse_Cnt_lgc.value	1		
Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	1	1	~
TrqOvlSta ESCState State M enum	2	2	✓
TrgOvlSta ElapsedAPAMaxHwTrgTime 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	
TrgOvlSta HapticState State M enum	0	0	~
TrqOvlSta_Hapticdur_Cnt_M_u16	44450	44450 ± 1	-
TrgOvlSta Haptictime Sec M f32	0	0 ± 1	
	2.43524981		
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32	2.43524961	2.43525004 ± 0.000009	-
TrqOvISta_LKAFault_Cnt_M_lgc		1±1	
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	~
TrqOvISta_LKAPermFault_Cnt_M_u08	2	2 ± 1	
TrqOvlSta_LKAState_State_M_enum	0	0	V
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.200000003	0.200000003 ± 0.0009765625	V
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	0.20000003	0.200000003 ± 0.0009765625	✓
tgt_Trqoviota_r cr_r osorvortwAngle_rtwDeg_toz.value	1		

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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				V
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
TrqOvISta_PosSrvoHwAngle_HwDeg_M_f32	1.3999998
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
k_APAIncludeHaptic_Cnt_lgc	1
k_APAMaxHwTrqTime_Sec_f32	0.601666689
k APAMaxHwTrg 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
	146.300003
k_LKAMaxVehSpd_Kph_f32 k_LKAMinVehSpd_Kph_f32	100
	0.600000024
k_MaxHapticReqTime_Sec_f32	0.00000024
k_SWARLimiter_HwDeg_f32	
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 Igr	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_Igc	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_Igc	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_ESClsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESClsLimited_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_Igc	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 TrgOvlSta.TrgOvlSta Per1 HapticRequest Cnt Igc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 HwTorque HwNm f32	tgt TrgOvlSta Per1 HwTorque HwNm f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_Igc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tot Rte Inst Ap TrgOvISta TrgOvISta Per1 KAInhibit Cnt Inc.	IGI TIQUVISIA PELI EKAINIIDII UNI IGC
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_Igc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc





Name	Input Value			
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSp	eed_Kph_f32		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSp	eed_Kph_f32		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_	<u>lg</u> c		
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_SWARTrgtAngReque	st_HwDeg_f32		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse	e_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_le	дс		
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_ESClsLimited_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_ShiftLeverlsInReverse_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	•	
	0.462000012	0.462000012 ± 0.0009765625	•	
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.402000012			
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	•	

Test Step Call Trace				V
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 TrgOvlSta 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_FitInjection_Sign
Rte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvISta_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
TrqOvISta_HapticState_State_M_enum	0
TrqOvlSta_Hapticdur_Cnt_M_u16 TrqOvlSta Haptictime Sec M f32	44450
TrgOvISta HwTorqueSV HwNm M Str.SV UIs f32	-1.6499998
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_UIs_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	1.3999998
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0
k_APAIncludeHaptic_Cnt_lgc	1 0.601666689
k_APAMaxHwTrqTime_Sec_f32 k_APAMaxHwTrq_HwNm_f32	0.001000089
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 k_ShiftLevRevTime_Sec_f32	0 0.308999985
k StandstillThresh Kph f32	0
k_StandstillTime_Sec_f32	0.308999985
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	5
$tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgovlSta_Per1_APADrvrInterventionDetect$	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_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvISta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32 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_ESClsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESClsLimited_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_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_Igc	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_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_Igc tgt_TrqOvlSta_Per1_HapticRequest_Cnt_Igc
tgt_Rte_inst_Ap_frqOviSta.frqOviSta_Per1_hapticRequest_Cftt_gc tgt_Rte_inst_Ap_frqOviSta.frqOviSta_Per1_hwTorque_hwNm_f32	tgt TrqOvISta Per1 HwTorque HwNm f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt TrqOvISta Per1 LKAFault Cnt Igc
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
And Discharge And Ton Ondology Transport Co. Co. C.	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tot TraOulSto Dord BooTraillu/Anala Llu-Dor foo
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.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_PosTrajHwAngle_HwDeg_f32 tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32 tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32 tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.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_PosTrajHwAngle_HwDeg_f32 tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32 tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32 tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32 tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32 tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32 tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32 tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32 tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc





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_ESClsLimited_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_Igc.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	✓
TrgOvlSta Hapticdur Cnt M u16	44450	44450 ± 1	✓
TrgOvlSta 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	~
TrgOvlSta LKAState State M enum	0	0	✓
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.20000003	0.200000003 ± 0.0009765625	✓
TrqOvlSta ReadytoPulse Cnt M lgc	0	0 ± 1	✓
tgt TrqOvlSta Per1 APADrvrInterventionDetected Cnt Igc.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	0.20000003	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	~
OT 45 50T 5 TO 4 T			

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

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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	1.3999998
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
	1
k_APAIncludeHaptic_Cnt_lgc	
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
	0
k_SWARLimiter_HwDeg_f32	
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
$tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgcolor=0.00000000000000000000000000000000000$	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_Igc
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 TrqOvISta.TrqOvISta Per1 CCWFound Cnt Igc	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_Igc	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_ESClsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESClsLimited_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_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_Igc	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 Igc	tgt TrqOvlSta Per1 PosTrajEnable Cnt Igc
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 TrgOvlSta Per1 ShiftLeverlsInReverse Cnt Igc
tgt_Rte_Inst_Ap_TrqOvlSta.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_Igc	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_TrqOviSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvISta_Per1_CWPosition_HwDeg_f32.value	362.029999
	0
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.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	8.10000038
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_Igc.value	0
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Name	Input Value		
tgt TrgOvlSta Per1 LKARequest Cnt Igc.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	0.20000003		
tgt TrqOvlSta Per1 SWARTrgtAngRequest HwDeg f32.value	0		
tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc.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	1.3999998
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

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Nama	Innut Value		
Name	Input Value		
k_LKAMinVehSpd_Kph_f32 k_MaxHapticRegTime_Sec_f32	100 0.600000024		
_	0		
k_SWARLimiter_HwDeg_f32 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_Igo		etected Cnt lac	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFa		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_Igc	tgt TrqOvlSta Per1 APARecoverableFaults		
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	1	
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_f3	32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_Igc	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_Igc	tgt TrqOvlSta Per1 ESCRequest Cnt Igc		
tgt Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 ESCState State enum	tgt_TrqOvlSta_Per1_ESCState_State_enum	1	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState		
tgt Rte Inst Ap TrqOvISta.TrqOvISta Per1 GMOSH APAMfgEnable Cnt Igc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnab		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnab		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_Igc	tgt TrqOvlSta Per1 GMOSH LKAMfgEnab		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_Igc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lge		
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_MaxSecureVehicleSpe		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpee		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lg		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwD		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lge		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwD		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f3		
tgt Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 TrgOscEnable Cnt Igc	tgt TrqOvlSta Per1 TrqOscEnable Cnt Igo		
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_ESClsLimited_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_ShiftLeverlsInReverse_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	✓
TrgOvlSta Hapticdur Cnt M u16	0	0 ± 1	✓

0

0 ± 1

TrqOvlSta_Hapticdur_Cnt_M_u16





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				V
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	~

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 TrqOvIsta	tgt Rte Inst Ap TrqOvlSta
TrqOvISta_APAState_State_M_enum	1
TrqOvISta_ESCState_State_M_enum	1
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0
TrgOvISta_ElapsedShiftLevRevTime_Sec_M_IS2	1
TrgOvlSta ElapsedStandstillTime Sec M f32	1
TrgOvISta HapticState State M enum	1
TrqOvISta_Hapticdate_State_M_endin TrqOvISta_Hapticdur_Cnt_M_u16	0
TrgOvISta Haptictime Sec M f32	0
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32	-1.64999998 0.419
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.419
TrqOvlSta_LKAFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_lgc	
TrqOvlSta_LKAPermFault_Cnt_M_u08	1
TrqOvlSta_LKAState_State_M_enum	0
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	1.3999998
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
«_APAIncludeHaptic_Cnt_lgc	1
<_APAMaxHwTrqTime_Sec_f32	0.601666689
<_APAMaxHwTrq_HwNm_f32	0
k_APAMaxVehSpd_Kph_f32	138.600006
k_ESCMaxVehSpd_Kph_f32	12
<hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>	0.462000012
<hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>	1.15499997
c_HapticFreq_Hz_f32	32.3019981
x_HapticReacttime_Sec_f32	1.23199999
k_LKAMaxVehSpd_Kph_f32	146.300003
LKAMinVehSpd_Kph_f32	100
<_MaxHapticReqTime_Sec_f32	0.600000024
<_SWARLimiter_HwDeg_f32	0
C_ShiftLevRevTime_Sec_f32	0.308999985
k_StandstillThresh_Kph_f32	0
<_StandstillTime_Sec_f32	0.308999985
gt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	5
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lg	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
gt Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 CWFound Cnt Igc	tgt TrqOvISta Per1 CWFound Cnt Igc





Name	Input Value		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f3	32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESClsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESClsLimited_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc tgt_TrqOvlSta_Per1_ESCState_State_enum		
tgt_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Per1_GMOSHOscillateState_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnab		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnab		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnab	le_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgd		
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_Igc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_Igc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc		
tgt Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 LKARequest Cnt Igc	tgt TrqOvlSta Per1 LKARequest Cnt Igc		
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_MaxSecureVehicleSpec	ed_Kph_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpee		
tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lg		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32 tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwE tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt TrqOvlSta Per1 PosTrajHwAngle HwDe		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest	-	
$tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc$	tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_	_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f3		
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_APANonRecoverableFaults_Cnt_lgc.value	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32		
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0		
tgt_TrqOvISta_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 tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	362.089996 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 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 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 TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0.00200000009	2 0.00200000009 ± 1	V
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	V
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32 TrqOvlSta_LKAFault_Cnt_M_lgc	-1.64999998 1	-1.64999998 ± 0.000009 1 ± 1	V
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	V
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1±1	V
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value tgt_TrqOvlSta_Per1_APAState_State_enum.value	0 1	0 ± 1	V
tgt_TrqOvlSta_Per1_APAState_State_enum.value	2	2	V
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	V
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	~

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TrqOvlSta_Per1

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				V
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
TrqOvISta_PosSrvoHwAngle_HwDeg_M_f32	1.3999998
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
k_APAIncludeHaptic_Cnt_lgc	1
k APAMaxHwTrqTime Sec f32	0.601666689
k APAMaxHwTrg 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
	146.300003
k_LKAMaxVehSpd_Kph_f32 k_LKAMinVehSpd_Kph_f32	100
	0.600000024
k_MaxHapticReqTime_Sec_f32	0.00000024
k_SWARLimiter_HwDeg_f32	
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 Igr	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_Igc	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_Igc	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_Igc	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_ESClsLimited_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_Igc	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 TrgOvlSta.TrgOvlSta Per1 HapticRequest Cnt Igc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 HwTorque HwNm f32	tgt TrgOvlSta Per1 HwTorque HwNm f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_Igc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tot Rte Inst Ap TrgOvlSta TrgOvlSta Per1 KAInhihit Cnt Inc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_Igc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc

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Name	Input Value		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpe	ed Knh f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt TrqOvlSta Per1 MinSecureVehicleSpee		
tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lg	- · -	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwE		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgo		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt TrqOvlSta Per1 PosTrajHwAngle HwD		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest	-	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f3		
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_ESClsLimited_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	0.20000003		
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	0		
tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc.value	1		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	Y
TrqOvlSta_HapticState_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 2	0 ± 1	*
TrqOvlSta_LKAState_State_M_enum	0	2 ± 1 0	Ž
TrqOvlSta_LKAState_State_M_enum		0.200000003 ± 0.0009765625	V
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0.200000003		
tgt TrqOvlSta Per1 APADrvrInterventionDetected Cnt Igc.value	0	1 ± 1 0 ± 1	V
tgt_frqOviSta_Peri_APADrvrinterventionDetected_Cnt_igc.value tgt_TrqOviSta_Peri_APAState_State_enum.value	1	1	
tgt TrqOvlSta Per1 ESCState State enum.value	2	2	~
tgt TrqOvISta Per1 GMOSHOscillateState State enum.value	0	0	
tgt_TrqOvISta_Per1_LKAState_State_enum.value	0	0	-
tgt_TrqOvISta_Per1_PosServEnable_Cnt_Igc.value	1	1 ± 1	
tgt_TrqOvISta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.20000003	0.200000003 ± 0.0009765625	-
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.462000012	0.462000012 ± 0.0009765625	
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0.402000012	0 ± 1	~
tgt_TrqOvISta_Per1_TrqOscFreq_Hz_f32.value	32.3019981	32.3019981 ± 0.0009765625	-
<u> </u>	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		

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 TrgOvlSta Per1 CP1 CheckpointReached	1	•



Test Step 3.40 (Repeat Count = 1)	Input Value
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
TrqOvISta_ESCState_State_M_enum	1
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	1952499
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	84736.2422
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	378600 1
TrqOvlSta_HapticState_State_M_enum TrqOvlSta Hapticdur Cnt M u16	33000
TrqOvlSta_Haptictime_Sec_M_f32	204770
TrqOvlSta_Hapitctime_Sec_wi_i32 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
TrqOvISta LKAPermFault Cnt M Igc	0
TrqOvISta_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 Igc	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_Igo	
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_Igc	tgt_TrqOvISta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32 tgt TrqOvlSta Per1 ESCFault Cnt lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_ESCRequest_Cht_gc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_ESCState_State_enum	tgt_TrqOvIsta_Per1_ESCState_State_enum
tgt Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 GMOSHOscillateState State enum	tgt_TrqOvISta_Per1_GMOSHOscillateState_State_enum
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt TrqOvISta Per1 GMOSH APAMfgEnable Cnt Igc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvISta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt TrqOviSta Per1 GMOSH LKAMfgEnable Cnt lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_Igc	tgt_TrqOvISta_Per1_HapticRequest_Cnt_Igc
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_LKAFault_Cnt_Igc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_Igc
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_ShiftLeverlsInReverse_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

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Input Value	U
tgt_TrqOvISta_Per1_APARequest_Cnt_lgc.value 1 tgt_TrqOvISta_Per1_CCWFound_Cnt_lgc.value 0 tgt_TrqOvISta_Per1_CCWFound_Cnt_lgc.value -361.529999 tgt_TrqOvISta_Per1_CWFound_Cnt_lgc.value 0 tgt_TrqOvISta_Per1_CWFosition_HwDeg_f32.value 362.480011 tgt_TrqOvISta_Per1_ESCFault_Cnt_lgc.value 1 tgt_TrqOvISta_Per1_ESCRequest_Cnt_lgc.value 1 tgt_TrqOvISta_Per1_ESCRequest_Cnt_lgc.value 1 tgt_TrqOvISta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value 1 tgt_TrqOvISta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value 1 tgt_TrqOvISta_Per1_HapticRequest_Cnt_lgc.value 1 tgt_TrqOvISta_Per1_HapticRequest_Cnt_lgc.value 0 tgt_TrqOvISta_Per1_LKAFault_Cnt_lgc.value 1 tgt_TrqOvISta_Per1_LKAFault_Cnt_lgc.value 1 tgt_TrqOvISta_Per1_LKARequest_Cnt_lgc.value 0 tgt_TrqOvISta_Per1_LKARequest_Cnt_lgc.value 0 tgt_TrqOvISta_Per1_LKARequest_Cnt_lgc.value 1 tgt_TrqOvISta_Per1_LKARequest_Cnt_lgc.value 1 tgt_TrqOvISta_Per1_LKARequest_Cnt_lgc.value 20.6000004	
tgt_TrqOvISta_Per1_CCWFound_Cnt_igc.value	
tgt_TrqOvISta_Per1_CCWPosition_HwDeg_f32.value	
tgt_TrqOvISta_Per1_CWFound_Cnt_lgc.value tgt_TrqOvISta_Per1_CWPosition_HwDeg_f32.value tgt_TrqOvISta_Per1_ESCFault_Cnt_lgc.value tgt_TrqOvISta_Per1_ESCFsult_Cnt_lgc.value tgt_TrqOvISta_Per1_ESCRequest_Cnt_lgc.value tgt_TrqOvISta_Per1_ESCRequest_Cnt_lgc.value tgt_TrqOvISta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value tgt_TrqOvISta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value tgt_TrqOvISta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value tgt_TrqOvISta_Per1_HapticRequest_Cnt_lgc.value tgt_TrqOvISta_Per1_HapticRequest_Cnt_lgc.value tgt_TrqOvISta_Per1_HwTorque_HwNm_f32.value tgt_TrqOvISta_Per1_LKAFault_Cnt_lgc.value tgt_TrqOvISta_Per1_LKAFault_Cnt_lgc.value tgt_TrqOvISta_Per1_LKARequest_Cnt_lgc.value tgt_TrqOvISta_Per1_LKARequest_Cnt_lgc.value tgt_TrqOvISta_Per1_LKARequest_Cnt_lgc.value tgt_TrqOvISta_Per1_LKARequest_Cnt_lgc.value tgt_TrqOvISta_Per1_LKARequest_Cnt_lgc.value 20.6000004	
tgt_TrqOvISta_Per1_CWPosition_HwDeg_f32.value tgt_TrqOvISta_Per1_ESCFault_Cnt_lgc.value tgt_TrqOvISta_Per1_ESCIsLimited_Cnt_lgc.value tgt_TrqOvISta_Per1_ESCRequest_Cnt_lgc.value tgt_TrqOvISta_Per1_ESCRequest_Cnt_lgc.value tgt_TrqOvISta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value tgt_TrqOvISta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value tgt_TrqOvISta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value tgt_TrqOvISta_Per1_HapticRequest_Cnt_lgc.value tgt_TrqOvISta_Per1_HapticRequest_Cnt_lgc.value tgt_TrqOvISta_Per1_HwTorque_HwNm_f32.value tgt_TrqOvISta_Per1_LKAFault_Cnt_lgc.value tgt_TrqOvISta_Per1_LKAInhibit_Cnt_lgc.value tgt_TrqOvISta_Per1_LKARequest_Cnt_lgc.value tgt_TrqOvISta_Per1_LKARequest_Cnt_lgc.value tgt_TrqOvISta_Per1_LKARequest_Cnt_lgc.value tgt_TrqOvISta_Per1_LKARequest_Cnt_lgc.value tgt_TrqOvISta_Per1_LKARequest_Cnt_lgc.value 20.6000004	
tgt_TrqOvISta_Per1_ESCFault_Cnt_Igc.value tgt_TrqOvISta_Per1_ESCRequest_Cnt_Igc.value tgt_TrqOvISta_Per1_ESCRequest_Cnt_Igc.value tgt_TrqOvISta_Per1_GMOSH_APAMfgEnable_Cnt_Igc.value tgt_TrqOvISta_Per1_GMOSH_ESCMfgEnable_Cnt_Igc.value tgt_TrqOvISta_Per1_GMOSH_LKAMfgEnable_Cnt_Igc.value tgt_TrqOvISta_Per1_GMOSH_LKAMfgEnable_Cnt_Igc.value tgt_TrqOvISta_Per1_HapticRequest_Cnt_Igc.value tgt_TrqOvISta_Per1_HwTorque_HwNm_f32.value tgt_TrqOvISta_Per1_LKAFault_Cnt_Igc.value tgt_TrqOvISta_Per1_LKAFault_Cnt_Igc.value tgt_TrqOvISta_Per1_LKARequest_Cnt_Igc.value tgt_TrqOvISta_Per1_LKARequest_Cnt_Igc.value tgt_TrqOvISta_Per1_LKARequest_Cnt_Igc.value tgt_TrqOvISta_Per1_LKARequest_Cnt_Igc.value tgt_TrqOvISta_Per1_LKARequest_Cnt_Igc.value 20.6000004	
tgt_TrqOvISta_Per1_ESCIsLimited_Cnt_lgc.value 1 tgt_TrqOvISta_Per1_ESCRequest_Cnt_lgc.value 1 tgt_TrqOvISta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value 1 tgt_TrqOvISta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value 1 tgt_TrqOvISta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value 1 tgt_TrqOvISta_Per1_HapticRequest_Cnt_lgc.value 0 tgt_TrqOvISta_Per1_HwTorque_HwNm_f32.value -8.10000038 tgt_TrqOvISta_Per1_LKAFault_Cnt_lgc.value 1 tgt_TrqOvISta_Per1_LKAInhibit_Cnt_lgc.value 0 tgt_TrqOvISta_Per1_LKARequest_Cnt_lgc.value 0 tgt_TrqOvISta_Per1_LKARequest_Cnt_lgc.value 1 tgt_TrqOvISta_Per1_LKARequest_Cnt_lgc.value 1 tgt_TrqOvISta_Per1_MaxSecureVehicleSpeed_Kph_f32.value 20.6000004	
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 0 tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value 1 tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value 20.6000004	
tgt_TrqOvISta_Per1_GMOSH_APAMfgEnable_Cnt_Igc.value 1 tgt_TrqOvISta_Per1_GMOSH_ESCMfgEnable_Cnt_Igc.value 1 tgt_TrqOvISta_Per1_GMOSH_LKAMfgEnable_Cnt_Igc.value 1 tgt_TrqOvISta_Per1_HapticRequest_Cnt_Igc.value 0 tgt_TrqOvISta_Per1_HwTorque_HwNm_f32.value -8.10000038 tgt_TrqOvISta_Per1_LKAFault_Cnt_Igc.value 1 tgt_TrqOvISta_Per1_LKAInhibit_Cnt_Igc.value 0 tgt_TrqOvISta_Per1_LKARequest_Cnt_Igc.value 0 tgt_TrqOvISta_Per1_LKARequest_Cnt_Igc.value 1 tgt_TrqOvISta_Per1_MaxSecureVehicleSpeed_Kph_f32.value 20.6000004	
tgt_TrqOvISta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value 1 tgt_TrqOvISta_Per1_HapticRequest_Cnt_lgc.value 0 tgt_TrqOvISta_Per1_HwTorque_HwNm_f32.value -8.10000038 tgt_TrqOvISta_Per1_LKAFault_Cnt_lgc.value 1 tgt_TrqOvISta_Per1_LKAInhibit_Cnt_lgc.value 0 tgt_TrqOvISta_Per1_LKARequest_Cnt_lgc.value 1 tgt_TrqOvISta_Per1_MaxSecureVehicleSpeed_Kph_f32.value 20.6000004	
tgt_TrqOvISta_Per1_HapticRequest_Cnt_Igc.value	
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_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_LKAInhibit_Cnt_lgc.value tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value 20.6000004	
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value 1 tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value 20.6000004	
tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value 20.6000004	
tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value 41.2000008	
tgt_TrqOvISta_Per1_PosTrajEnable_Cnt_lgc.value 1	
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value 0.109999999	
tgt_TrqOvISta_Per1_SWARTrgtAngRequest_HwDeg_f32.value 3.70000005	
tgt_TrqOvISta_Per1_ShiftLeverIsInReverse_Cnt_lgc.value 1	
Name Actual Value Expected Value Re	sult
TrqOvISta_APAState_State_M_enum 0 0	~
TrqOvISta_ESCState_State_M_enum 3 3	~
TrqOvISta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 0 0±1	~
TrqOvISta_ElapsedShiftLevRevTime_Sec_M_f32 84736.2422 84736.2422 ± 1	~
TrqOvlSta_ElapsedStandstillTime_Sec_M_132 0 0±1	~
TrqOvlSta_HapticState_State_M_enum 1	~
TrqOvlSta_Hapticdur_Cnt_M_u16 33000 33000 ± 1	~
TrqOvISta_Haptictime_Sec_M_f32	~
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32 -4.80000019 -4.80000019 -4.80000019 -4.80000019	~
TrqOvISta_LKAFault_Cnt_M_lgc	~
TrqOvlSta_LKAPermFault_Cnt_M_lgc 0 0±1	~
TrqOvlSta_LKAPermFault_Cnt_M_u08 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_Igc.value 0 0 ± 1	~
tgt_TrqOvlSta_Per1_APAState_state_enum.value 0 0	~
tgt_TrqOvlSta_Per1_ESCState_enum.value 3 3	~
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value 1	~
tgt_TrqOvlSta_Per1_LKAState_enum.value 0 0	~
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value 1 1 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 0.660000026	~
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value 1 ± 1	~
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value 54.9179993 54.9179993 ± 0.0009765625	~

Test Step Call Trace				V
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
TrqOvISta_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 TrqOvlSta PosSrvoHwAngle HwDeg M f32	0 38.2000008
TrqOvIsta_PossivonwArigie_nwbeg_iw_isz TrqOvIsta_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	1.6499998
k_HapticFreq_Hz_f32	54.9179993 1.75999999
k_HapticReacttime_Sec_f32 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_Igo	
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_TrqOvlSta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APARequest_Crit_gc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_Igc	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_Igc	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_ESClsLimited_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_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOviSta_Per1_GMOSH_LKAMfgEnable_Cnt_Igc
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_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32 tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSetvErlable_Cfit_igc tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 PosTrajEnable Cnt Igc	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_ShiftLeverlsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_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_Igc.value	0
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value tgt TrqOvlSta Per1 CCWFound Cnt lgc.value	1
tgt_frqOviSta_Peri_CCWPosition_HwDeg_f32.value	-389.75
tgt_TrqOvISta_Per1_CWFound_Cnt_Igc.value	1
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	362.51001
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESClsLimited_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 4
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1 0
tgt_11q0v10ta_1 til 1_EtvnIIIIIbit_Offt_1gb.value	



TrqOvlSta_Per1			MACHAIL
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_Igc.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	✓

Turilo .	Autuui Vuido	Expedica value	rtoouit
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				V
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 TrgOvlSta Per1 CP1 CheckpointReached	1	Rte Call TrgOvlSta 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

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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 0.0370000005		
k_StandstillTime_Sec_f32			
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FitInjection_Sign tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_Igo	-7.55000019 tgt_TrqOvlSta_Per1_APADrvrInterventionDe	tected Cnt lac	
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_APANonRecoverableFaults_Cnt_Igc	tgt_TrqOvlSta_Per1_APANonRecoverableFa		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_Igc	tgt TrqOvlSta Per1 APARecoverableFaults		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc		
tgt Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 APAState State enum	tgt TrqOvlSta Per1 APAState State enum		
tgt Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 CCWFound Cnt Igc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_t	32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_Igc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f3	2	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESClsLimited_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_	<u> </u>	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnabl		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnab		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnabl		
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_Igc	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_LKAState_State_cnum		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_LKAState_State_enum tgt_TrqOvlSta_Per1_MaxSecureVehicleSpee	nd Knh f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpee		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgr		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwD		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDe		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_	Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	2	
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 1		
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value tgt_TrqOvlSta_Per1_ESClsLimited_Cnt_lgc.value	1		
tgt_frqOviSta_Peri_ESCIsLimited_Cnt_lgc.value tgt_frqOviSta_Peri_ESCRequest_Cnt_lgc.value	1		
tgt_frqOviSta_Per1_ESCRequest_Chit_igc.value tgt_frqOviSta_Per1_GMOSH_APAMfgEnable_Cnt_igc.value	1		
tgt_TrqOvIsta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1		
tgt_TrqOviSta_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_ShiftLeverlsInReverse_Cnt_Igc.value	1		
Name	Actual Value	Expected Value	Result
TrqOvISta_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	_

33000

TrqOvlSta_ElapsedStandstillTime_Sec_M_f32

TrqOvlSta_HapticState_State_M_enum

TrqOvlSta_Hapticdur_Cnt_M_u16

0 ± 1

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	~

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 TrqOvIsta	tgt Rte Inst Ap TrqOvISta
	2
TrqOvlSta_APAState_State_M_enum	1
TrqOvISta_ESCState_State_M_enum	1952499
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	84736.2422
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	378600 1
TrqOvlSta_HapticState_State_M_enum	
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_lc	gc tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	
tgt Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 APARecoverableFaults Cnt Igc	tgt TrgOvlSta Per1 APARecoverableFaults Cnt Igc
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 Igc	tgt TrgOvlSta 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 Igc	tgt TrqOvlSta Per1 CWFound Cnt Igc

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TrqOvlSta_Per1



Name	Input Value		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f3	32	
tgt Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 ESCFault Cnt Igc	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_TrqOvISta.TrqOvISta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvISta_Per1_GMOSHOscillateState_		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvISta_Per1_GMOSH_APAMfgEnab		
	1		
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_GMOSH_ESCMfgEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnab		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnab		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_Igc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgd		
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_MaxSecureVehicleSpe	ed_Kph_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpee	ed_Kph_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lg	JC .	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_Hw[Deg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lge	3	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwD		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvISta_Per1_StittLeveristitt\(\text{Certs}\) tgt TrqOvISta Per1 TrqOscAmp MtrNm f3		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_TrqOscErea Hz_f32		
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_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_ESClsLimited_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 Igc.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 Igc.value	1		
Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	0	0	Rooult
TrqOvISta ESCState State M enum	3	3	-
TrqOvlSta_EScState_State_M_enum 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_enum.value	1	1	
tgt_TrqOvlSta_Per1_GivlOSHOscillateState_state_enum.value	0	0	-
tgt_TrqOvlSta_Per1_ExAState_State_enum.value tgt_TrqOvlSta_Per1_PosServEnable_Cnt_Igc.value	1	1 ± 1	
Sgovicta_i or i_i occorrenable_one_igo.value			
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				V
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)	land Value
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
rqOvlSta_APAState_State_M_enum	0
rqOvlSta_ESCState_State_M_enum	0
rqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	1884573
rqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	83136.8828
rqOvlSta_ElapsedStandstillTime_Sec_M_f32	365508
TrqOvlSta_HapticState_State_M_enum	0
rqOvlSta_Hapticdur_Cnt_M_u16	29000
FrqOvlSta_Haptictime_Sec_M_f32	198760.641
rqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-5.5
rqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.419
rqOvlSta_LKAFault_Cnt_M_lgc	1
rqOvlSta_LKAPermFault_Cnt_M_lgc	0
FrqOvISta_LKAPermFault_Cnt_M_u08	0
rqOvlSta_LKAState_State_M_enum	0
rqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	57.7999992
TrqOvISta_ReadytoPulse_Cnt_M_lgc	1
APAIncludeHaptic_Cnt_lgc	0
APAMaxHwTrgTime Sec f32	0.36500001
APAMaxHwTrq_HwNm_f32	8.64000034
APAMaxVehSpd_Kph_f32	194.399994
ESCMaxVehSpd_Kph_f32	52.5999985
	0.648000002
t_HapticAmplitude_MtrNm_f32	
x_HapticDuration_Sec_f32	1.62
C_HapticFreq_Hz_f32	3
C_HapticReacttime_Sec_f32	1.72800004
C_LKAMaxVehSpd_Kph_f32	205.199997
x_LKAMinVehSpd_Kph_f32	0
<pre>C_MaxHapticReqTime_Sec_f32</pre>	0.119999997
x_SWARLimiter_HwDeg_f32	23.2000008
x_ShiftLevRevTime_Sec_f32	0.0289999992
x_StandstillThresh_Kph_f32	4.32000017
c_StandstillTime_Sec_f32	0.0289999992
gt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	1.10000002
gt Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 APADrvrInterventionDetected Cnt Igo	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_Igc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESClsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESClsLimited_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_state_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_Igc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_Igc	tgt TrqOvlSta Per1 GMOSH ESCMfgEnable Cnt lgc
gt_Rte_Inst_Ap_TrqOviota.TrqOviota_ret1_GMOSH_LKAMfgEnable_Cnt_igc	tgt_TrqOviSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt TrqOvlSta Per1 HapticRequest Cnt Igc
gt_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Per1_HwTorque_HwNm_f32	tgt TrqOvISta Per1 HwTorque HwNm f32
gt_Rte_inst_Ap_TrqOviSta.TrqOviSta_Per1_HwT0rque_Hwifin_is2 gt_Rte_inst_Ap_TrqOviSta.TrqOviSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvISta_Per1_LKAFault_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc

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Name	Input Value			
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f	32 tgt_TrqOvlSta_Per1_MaxSecur	reVehicleSpeed_Kph_f32		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f3	tgt_TrqOvlSta_Per1_MinSecure	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServE	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoH	lwAngle_HwDeg_f32		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEr	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHv	wAngle_HwDeg_f32		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_	f32 tgt_TrqOvlSta_Per1_SWARTrg	gtAngRequest_HwDeg_f32		
$tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc$	tgt_TrqOvlSta_Per1_ShiftLever	rlsInReverse_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAn	np_MtrNm_f32		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEn	nable_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFre	eq_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_ESClsLimited_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_ShiftLeverlsInReverse_Cnt_lgc.value	1			
Name	Actual Value	Expected Value	Resul	
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	•	
TrqOvISta_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		
0 = 1 = = 0 = 0 =	0.648000002	0.648000002 ± 0.0009765625		
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.04000002			
tgt_TrqOviSta_Per1_TrqOscAmp_MtrNm_f32.value tgt_TrqOviSta_Per1_TrqOscEnable_Cnt_lgc.value	0.048000002	0 ± 1		

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 TrgOvlSta 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
TrgOvlSta APAState State M enum	0
TrgOvlSta 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_UIs_f32	-5.5
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.419
TrqOvlSta_LKAFault_Cnt_M_lgc	
TrqOvISta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08 TrqOvlSta_LKAState State M enum	0
TrqOvISta_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 23.2000008
k_SWARLimiter_HwDeg_f32 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_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvIsta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvISta_Per1_ESCIsLimited_Cnt_lgc
tgt Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 ESCRequest Cnt Igc	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_APAMfgEnable_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_Igc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
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tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32 tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32 tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_GMOSH_APAMfgEnable_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_HapticRequest_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_HwTorque_HwNm_f32 tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_LKAFault_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32 tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_GMOSH_APAMfgEnable_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_HapticRequest_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_HwTorque_HwNm_f32 tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_LKAFault_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_LKAInhibit_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_LKARequest_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32 tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_GMOSH_APAMfgEnable_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_HapticRequest_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_HwTorque_HwNm_f32 tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_LKAFault_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_LKAInhibit_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_LKARequest_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_LKARequest_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32 tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc tgt_TrqOvlSta_Per1_LKAState_State_enum
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tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_GMOSH_APAMfgEnable_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_GMOSH_ESCMfgEnable_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_GMOSH_LKAMfgEnable_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_HapticRequest_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_HwTorque_HwNm_f32 tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_LKAFault_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_LKAInhibit_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_LKARequest_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_LKAState_State_enum tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_LKAState_State_enum tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_MaxSecureVehicleSpeed_Kph_f32 tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_PosServEnable_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_PosSrvoHwAngle_HwDeg_f32 tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_PosTrajEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32 tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc tgt_TrqOvlSta_Per1_LKAState_State_enum tgt_TrqOvlSta_Per1_LKAState_State_enum tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32 tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32 tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32 tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32 tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_GMOSH_APAMfgEnable_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_GMOSH_ESCMfgEnable_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_GMOSH_LKAMfgEnable_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_HapticRequest_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_HwTorque_HwNm_f32 tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_LKAFault_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_LKARequest_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_LKARequest_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_LKAState_State_enum tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_MaxSecureVehicleSpeed_Kph_f32 tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_MinSecureVehicleSpeed_Kph_f32 tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_PosServEnable_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_PosSrvoHwAngle_HwDeg_f32 tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_PosTrajEnable_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_PosTrajEnable_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_PosTrajEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32 tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc tgt_TrqOvlSta_Per1_LKAState_State_enum tgt_TrqOvlSta_Per1_LKAState_State_enum tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32 tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32 tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32 tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32 tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
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tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_GMOSH_APAMfgEnable_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_GMOSH_ESCMfgEnable_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_GMOSH_LKAMfgEnable_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_HapticRequest_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_HwTorque_HwNm_f32 tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_LKAFault_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_LKAInhibit_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_LKARequest_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_LKAState_State_enum tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_LKAState_State_enum tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_MinSecureVehicleSpeed_Kph_f32 tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_PosServEnable_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_PosSrvoHwAngle_HwDeg_f32 tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_PosTrajEnable_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_PosTrajHwAngle_HwDeg_f32 tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_PosTrajHwAngle_HwDeg_f32 tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_SWARTrgtAngRequest_HwDeg_f32 tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_ShiftLeverIsInReverse_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_ShiftLeverIsInReverse_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_TrqOsCamp_MtrNm_f32 tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_TrqOsCenable_Cnt_Igc	tgt_TrqOvISta_Per1_GMOSH_APAMfgEnable_Cnt_Igc tgt_TrqOvISta_Per1_GMOSH_ESCMfgEnable_Cnt_Igc tgt_TrqOvISta_Per1_HapticRequest_Cnt_Igc tgt_TrqOvISta_Per1_HapticRequest_Cnt_Igc tgt_TrqOvISta_Per1_HwTorque_HwNm_f32 tgt_TrqOvISta_Per1_LKAFault_Cnt_Igc tgt_TrqOvISta_Per1_LKAFault_Cnt_Igc tgt_TrqOvISta_Per1_LKAFault_Cnt_Igc tgt_TrqOvISta_Per1_LKARequest_Cnt_Igc tgt_TrqOvISta_Per1_LKAState_State_enum tgt_TrqOvISta_Per1_MaxSecureVehicleSpeed_Kph_f32 tgt_TrqOvISta_Per1_MinSecureVehicleSpeed_Kph_f32 tgt_TrqOvISta_Per1_PosServEnable_Cnt_Igc tgt_TrqOvISta_Per1_PosSrvoHwAngle_HwDeg_f32 tgt_TrqOvISta_Per1_PosTrajEnable_Cnt_Igc tgt_TrqOvISta_Per1_PosTrajEnable_Cnt_Igc tgt_TrqOvISta_Per1_PosTrajHwAngle_HwDeg_f32 tgt_TrqOvISta_Per1_SWARTrgtAngRequest_HwDeg_f32 tgt_TrqOvISta_Per1_ShiftLeverIsInReverse_Cnt_Igc tgt_TrqOvISta_Per1_TrqOscEnable_Cnt_Igc
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_GMOSH_APAMfgEnable_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_GMOSH_ESCMfgEnable_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_GMOSH_LKAMfgEnable_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_HapticRequest_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_HwTorque_HwNm_f32 tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_LKAFault_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_LKAInhibit_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_LKARequest_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_LKAState_State_enum tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_LKAState_State_enum tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_MaxSecureVehicleSpeed_Kph_f32 tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_MaxSecureVehicleSpeed_Kph_f32 tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_PosServEnable_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_PosSrvDHwAngle_HwDeg_f32 tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_PosTrajEnable_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_PosTrajHwAngle_HwDeg_f32 tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_SWARTrgtAngRequest_HwDeg_f32 tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_ShiftLeverIsInReverse_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_ShiftLeverIsInReverse_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_TrqOscAmp_MtrNm_f32 tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_TrqOscEnable_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_TrqOscEnable_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_TrqOscEnable_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_TrqOscEnable_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_TrqOscEnable_Cnt_Igc	tgt_TrqOvISta_Per1_GMOSH_APAMfgEnable_Cnt_Igc tgt_TrqOvISta_Per1_GMOSH_ESCMfgEnable_Cnt_Igc tgt_TrqOvISta_Per1_HapticRequest_Cnt_Igc tgt_TrqOvISta_Per1_HapticRequest_Cnt_Igc tgt_TrqOvISta_Per1_HwTorque_HwNm_f32 tgt_TrqOvISta_Per1_LKAFault_Cnt_Igc tgt_TrqOvISta_Per1_LKAInibit_Cnt_Igc tgt_TrqOvISta_Per1_LKARequest_Cnt_Igc tgt_TrqOvISta_Per1_LKAState_State_enum tgt_TrqOvISta_Per1_LKAState_State_enum tgt_TrqOvISta_Per1_MaxSecureVehicleSpeed_Kph_f32 tgt_TrqOvISta_Per1_MinSecureVehicleSpeed_Kph_f32 tgt_TrqOvISta_Per1_PosServEnable_Cnt_Igc tgt_TrqOvISta_Per1_PosSrvalHwAngle_HwDeg_f32 tgt_TrqOvISta_Per1_PosTrajEnable_Cnt_Igc tgt_TrqOvISta_Per1_PosTrajHwAngle_HwDeg_f32 tgt_TrqOvISta_Per1_PosTrajHwAngle_HwDeg_f32 tgt_TrqOvISta_Per1_SWARTrgtAngRequest_HwDeg_f32 tgt_TrqOvISta_Per1_ShiftLeverIsInReverse_Cnt_Igc tgt_TrqOvISta_Per1_TrqOscAmp_MtrNm_f32 tgt_TrqOvISta_Per1_TrqOscFreq_Hz_f32
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_GMOSH_APAMfgEnable_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_GMOSH_ESCMfgEnable_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_GMOSH_LKAMfgEnable_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_HapticRequest_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_HwTorque_HwNm_f32 tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_LKAFault_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_LKAInhibit_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_LKARequest_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_LKAState_State_enum tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_LKAState_State_enum tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_MinSecureVehicleSpeed_Kph_f32 tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_PosServEnable_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_PosSrvoHwAngle_HwDeg_f32 tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_PosTrajEnable_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_PosTrajHwAngle_HwDeg_f32 tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_PosTrajHwAngle_HwDeg_f32 tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_SWARTrgtAngRequest_HwDeg_f32 tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_ShiftLeverIsInReverse_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_ShiftLeverIsInReverse_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_TrqOsCamp_MtrNm_f32 tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_TrqOsCenable_Cnt_Igc	tgt_TrqOvISta_Per1_GMOSH_APAMfgEnable_Cnt_Igc tgt_TrqOvISta_Per1_GMOSH_ESCMfgEnable_Cnt_Igc tgt_TrqOvISta_Per1_HapticRequest_Cnt_Igc tgt_TrqOvISta_Per1_HapticRequest_Cnt_Igc tgt_TrqOvISta_Per1_HwTorque_HwNm_f32 tgt_TrqOvISta_Per1_LKAFault_Cnt_Igc tgt_TrqOvISta_Per1_LKAFault_Cnt_Igc tgt_TrqOvISta_Per1_LKAFault_Cnt_Igc tgt_TrqOvISta_Per1_LKARequest_Cnt_Igc tgt_TrqOvISta_Per1_LKAState_State_enum tgt_TrqOvISta_Per1_MaxSecureVehicleSpeed_Kph_f32 tgt_TrqOvISta_Per1_MinSecureVehicleSpeed_Kph_f32 tgt_TrqOvISta_Per1_PosServEnable_Cnt_Igc tgt_TrqOvISta_Per1_PosSrvoHwAngle_HwDeg_f32 tgt_TrqOvISta_Per1_PosTrajEnable_Cnt_Igc tgt_TrqOvISta_Per1_PosTrajEnable_Cnt_Igc tgt_TrqOvISta_Per1_PosTrajHwAngle_HwDeg_f32 tgt_TrqOvISta_Per1_SWARTrgtAngRequest_HwDeg_f32 tgt_TrqOvISta_Per1_ShiftLeverIsInReverse_Cnt_Igc tgt_TrqOvISta_Per1_TrqOscEnable_Cnt_Igc

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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 Igc.value	1		
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	362.630005		
tgt TrqOvlSta Per1 ESCFault Cnt Igc.value	1		
tgt TrqOvlSta Per1 ESCIsLimited Cnt Igc.value	1		
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1		
tgt TrqOvlSta Per1 GMOSH APAMfgEnable Cnt Igc.value	1		
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1		
tgt TrgOvlSta Per1 GMOSH LKAMfgEnable Cnt lgc.value	1		
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1		
tgt TrgOvlSta Per1 HwTorque HwNm f32.value	8.69999981		
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1		
tgt TrqOvlSta Per1 LKAInhibit Cnt Igc.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 ShiftLeverlsInReverse Cnt Igc.value	1		
Name	Actual Value	Expected Value	Result
TrgOvlSta APAState State M enum	3	3	~
TrqOvlSta_ESCState_State_M_enum	3	3	~
TrgOvlSta ElapsedAPAMaxHwTrgTime 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 2	0 ± 1 0 ± 1 2	· ·
TrqOvlSta_LKAPermFault_Cnt_M_u08 TrqOvlSta_LKAState_State_M_enum	0 2	0 ± 1 2	
TrqOvlSta_LKAPermFault_Cnt_M_u08 TrqOvlSta_LKAState_State_M_enum TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0	0 ± 1	~
TrqOvlSta_LKAPermFault_Cnt_M_u08 TrqOvlSta_LKAState_State_M_enum TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0 2 0.150000006	0 ± 1 2 0.150000006 ± 0.0009765625 1 ± 1	~
TrqOvlSta_LKAPermFault_Cnt_M_u08 TrqOvlSta_LKAState_State_M_enum TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvlSta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0 2 0.150000006 1	0 ± 1 2 0.150000006 ± 0.0009765625	· ·
TrqOvlSta_LKAPermFault_Cnt_M_u08 TrqOvlSta_LKAState_State_M_enum TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvlSta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value tgt_TrqOvlSta_Per1_APAState_State_enum.value	0 2 0.150000006 1 0	0 ± 1 2 0.150000006 ± 0.0009765625 1 ± 1 0 ± 1	\ \ \
TrqOvISta_LKAPermFault_Cnt_M_u08 TrqOvISta_LKAState_State_M_enum TrqOvISta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvISta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvISta_Per1_APADrvrInterventionDetected_Cnt_lgc.value tgt_TrqOvISta_Per1_APAState_State_enum.value tgt_TrqOvISta_Per1_ESCState_State_enum.value	0 2 0.150000006 1 0 3	0 ± 1 2 0.150000006 ± 0.0009765625 1 ± 1 0 ± 1 3	· · · · · · · · · · · · · · · · · · ·
TrqOvISta_LKAPermFault_Cnt_M_u08 TrqOvISta_LKAState_State_M_enum TrqOvISta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvISta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvISta_Per1_APADrvrInterventionDetected_Cnt_lgc.value tgt_TrqOvISta_Per1_APAState_State_enum.value tgt_TrqOvISta_Per1_ESCState_State_enum.value tgt_TrqOvISta_Per1_GMOSHOscillateState_State_enum.value	0 2 0.150000006 1 0 3 3	0 ± 1 2 0.150000006 ± 0.0009765625 1 ± 1 0 ± 1 3	· · · · · · · · · · · · · · · · · · ·
TrqOvlSta_LKAPermFault_Cnt_M_u08 TrqOvlSta_LKAState_State_M_enum TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvlSta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value tgt_TrqOvlSta_Per1_APAState_State_enum.value tgt_TrqOvlSta_Per1_ESCState_State_enum.value tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value tgt_TrqOvlSta_Per1_LKAState_State_enum.value	0 2 0.150000006 1 0 3 3	0 ± 1 2 0.150000006 ± 0.0009765625 1 ± 1 0 ± 1 3 3	•
TrqOvlSta_LKAPermFault_Cnt_M_u08 TrqOvlSta_LKAState_State_M_enum TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvlSta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value tgt_TrqOvlSta_Per1_APAState_State_enum.value tgt_TrqOvlSta_Per1_ESCState_State_enum.value tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value tgt_TrqOvlSta_Per1_LKAState_State_enum.value tgt_TrqOvlSta_Per1_LKAState_State_enum.value tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0 2 0.150000006 1 0 3 3 0 2	0 ± 1 2 0.150000006 ± 0.0009765625 1 ± 1 0 ± 1 3 3 0 2	•
TrqOvlSta_LKAPermFault_Cnt_M_u08 TrqOvlSta_LKAState_State_M_enum TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvlSta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value tgt_TrqOvlSta_Per1_APAState_State_enum.value tgt_TrqOvlSta_Per1_ESCState_State_enum.value tgt_TrqOvlSta_Per1_GMOSHOScillateState_State_enum.value tgt_TrqOvlSta_Per1_LKAState_State_enum.value tgt_TrqOvlSta_Per1_LKAState_State_enum.value tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0 2 0.150000006 1 0 3 3 0 2	0 ± 1 2 0.150000006 ± 0.0009765625 1 ± 1 0 ± 1 3 3 0 2 1 ± 1	-
TrqOvlSta_LKAPermFault_Cnt_M_u08 TrqOvlSta_LKAState_State_M_enum TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvlSta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value tgt_TrqOvlSta_Per1_APAState_State_enum.value tgt_TrqOvlSta_Per1_ESCState_State_enum.value tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value tgt_TrqOvlSta_Per1_LKAState_State_enum.value	0 2 0.150000006 1 0 3 3 3 0 2 1 0.150000006	0 ± 1 2 0.150000006 ± 0.0009765625 1 ± 1 0 ± 1 3 3 0 2 1 ± 1 0.150000006 ± 0.0009765625	· · · · · · · · · · · · · · · · · · ·

Test Step Call Trace				V
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

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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_FitInjection_Sign	1.10000002
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_Igg	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_Igc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_Igc
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_ESClsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESClsLimited_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 Igc	tgt_TrqOvIsta_FeT_FossivoriwAngle_Twbeg_132
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cht_igc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Per1_PosTrajHwAngie_HwDeg_t32 tgt_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Per1_SWARTrgtAngRequest_HwDeg_t32	tgt_trqOvlSta_Per1_PosTrajHwAngle_HwDeg_132
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_SwARTrgvAngRequest_nwbeg_isz	
tgt_Rte_inst_Ap_irqovista.irqovista_Peri_snittLeverisinReverse_Cnt_igc tgt_Rte_inst_Ap_TrqoviSta.irqovista_Peri_snittLeverisinReverse_Cnt_igc tgt_Rte_inst_Ap_irqovista.irqovista_Peri_snittLeverisinReverse_Cnt_igc	tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc
	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_Igc	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_Igc.value	
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	
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_ESClsLimited_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

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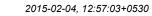


Name	Input Value		
tgt TrqOvlSta Per1 LKARequest Cnt lgc.value	1		
tgt TrqOvlSta Per1 MaxSecureVehicleSpeed Kph f32.value	164.800003		
tgt TrgOvlSta Per1 MinSecureVehicleSpeed Kph f32.value	185.399994		
tgt TrgOvlSta Per1 PosTrajEnable Cnt Igc.value	1		
tqt TrqOvlSta Per1 PosTrajHwAngle HwDeg f32.value	0.150000006		
tgt TrgOvlSta Per1 SWARTrgtAngRequest HwDeg f32.value	26.1000004		
tgt TrqOvlSta Per1 ShiftLeverlsInReverse Cnt Igc.value	1		
Name	Actual Value	Expected Value	Result
TrgOvlSta 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

TrqOvlSta_Per1





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_Igo		etected Cnt lac	
tgt Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 APANonRecoverableFaults Cnt Igc	tgt_TrqOvlSta_Per1_APANonRecoverableF		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt TrqOvlSta Per1 APARecoverableFault		
		s_crit_ige	
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	1	
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_f	32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESClsLimited_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_enun	n	
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_APAMfgEnal		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnal		
tgt Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 GMOSH LKAMfgEnable Cnt Igc	tgt TrqOvlSta Per1 GMOSH LKAMfgEnab		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lg		
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_HwTorque_HwNm_f32	tgt TrqOvISta Per1 HwTorque HwNm f32		
tgt Rte Inst Ap TrqOvISta.TrqOvISta Per1 LKAFault Cnt Igc	tgt_TrqOvISta_Per1_LKAFault_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_LKAInhibit_Cnt_Igc	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_MaxSecureVehicleSpe		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpec	· -	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lo	•	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_Hwl		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lg	С	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwD	Deg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngReques	t_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse	_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f3	32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lg	С	
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_Igc.value	1		
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value	0		
tgt TrqOvlSta Per1 CCWFound Cnt Igc.value	1		
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-379.070007		
tgt TrgOvlSta Per1 CWFound Cnt Igc.value	1		
	362.690002		
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value			
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	1		
tgt_TrqOvlSta_Per1_ESClsLimited_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	8.6999981		
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_Igc.value	1		
		Expected Value	P"
Name	Actual Value	Expected Value	Result
TrqOvISta_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	~
TrgOvISta Hapticdur Cnt M u16	29000	29000 ± 1	✓

29000

29000 ± 1

TrqOvlSta_Hapticdur_Cnt_M_u16





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	~

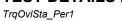
Test Step Call Trace				✓
Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	~
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached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

Name	Input Value
	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FitInjection(SignalPath_Uls_f32)	
Rte_Inst_Ap_TrqOvISta	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
FrqOvlSta_ElapsedStandstillTime_Sec_M_f32	365508
FrqOvlSta_HapticState_State_M_enum	0
FrqOvlSta_Hapticdur_Cnt_M_u16	29000
FrqOvlSta_Haptictime_Sec_M_f32	198760.641
FrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32	-5.5
TrqOvlSta_HwTorqueSV_HwNm_M_Str.K_UIs_f32	0.419
TrqOvlSta_LKAFault_Cnt_M_lgc	1
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	0
FrqOvlSta_LKAState_State_M_enum	0
FrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	57.7999992
FrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
_APAIncludeHaptic_Cnt_lgc	0
C_APAMaxHwTrqTime_Sec_f32	0.36500001
APAMaxHwTrq HwNm f32	8.64000034
APAMaxVehSpd Kph f32	194.399994
c_ESCMaxVehSpd_Kph_f32	52.5999985
HapticAmplitude MtrNm f32	0.648000002
HapticDuration Sec f32	1.62
HapticFreq Hz f32	3
HapticReacttime Sec f32	1.72800004
C LKAMaxVehSpd Kph f32	205.199997
C LKAMinVehSpd Kph f32	0
MaxHapticRegTime Sec f32	0.119999997
SWARLimiter HwDeg f32	23.2000008
ShiftLevRevTime Sec f32	0.0289999992
	4.32000017
< StandstillThresh_Kph_f32	
c_StandstillTime_Sec_f32	0.0289999992
gt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	1.10000002
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lg	
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
gt_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
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc

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Name	Input Value		
tgt Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 CWPosition HwDeg f32	tgt TrqOvlSta Per1 CWPosition HwDeg f3	32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESClsLimited_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	1	
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_APAMfgEnab	ole_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnab	ole_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnab	le_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgd	3	
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_MaxSecureVehicleSpe	ed_Kph_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpee	ed_Kph_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lg	ıc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwD	Deg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgd	3	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwD	eg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest	t_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_	_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f3	2	
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_ESClsLimited_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_ShiftLeverlsInReverse_Cnt_lgc.value	1		
Name	Actual Value	Expected Value	Result
TrgOvlSta APAState State M enum	3	3	
TrgOvlSta ESCState State M enum	3	3	✓
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	
TrgOvlSta ElapsedShiftLevRevTime Sec M f32	83136.8828	83136.8828 ± 1	✓
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	
TrgOvlSta HapticState State M enum	0	0	✓
TrgOvlSta Hapticdur Cnt M u16	29000	29000 ± 1	
TrgOvlSta Haptictime Sec M f32	198760.641	198760.641 ± 1	✓
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32	0.449800014	0.449800014 ± 0.0000009	
TrgOvlSta LKAFault Cnt M lgc	0	0 ± 1	✓
TrgOvlSta LKAPermFault Cnt M lgc	0	0 ± 1	~
TrqOvlSta_LKAPermFault_Cnt_M_u08	0	0 ± 1	✓
TrqOvISta_LKAState_State_M_enum	2	2	-
TrqOvISta_PosSrvoHwAngle_HwDeg_M_f32	0.150000006	0.150000006 ± 0.0009765625	✓
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1	-
tgt TrgOvlSta Per1 APADrvrInterventionDetected Cnt Igc.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 TrgOvlSta 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				V
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	~

est Step 3.49 (Repeat Count = 1)	
lame	Input Value
te_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
te_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
rqOvlSta_APAState_State_M_enum	0
rqOvlSta_ESCState_State_M_enum	4
rqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	4418.97998
rqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	835.559998
rqOvlSta_ElapsedStandstillTime_Sec_M_f32	4409.68018
rqOvlSta_HapticState_State_M_enum	0
rqOvlSta_Hapticdur_Cnt_M_u16	11150
rqOvlSta_Haptictime_Sec_M_f32	425564
rqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-4.36999989
rqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0218000002
rqOvlSta_LKAFault_Cnt_M_lgc	1
rqOvlSta_LKAPermFault_Cnt_M_lgc	0.
rqOvlSta_LKAPermFault_Cnt_M_u08	2
rqOvlSta_LKAState_State_M_enum	1
rqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	11.1000004
rqOvlSta_ReadytoPulse_Cnt_M_lgc	0
APAIncludeHaptic Cnt Igc	1
_APAMaxHwTrqTime_Sec_f32	0.200000003
APAMaxHwTrq HwNm f32	0.720000029
_APAMaxVehSpd_Kph_f32	16.2000008
ESCMaxVehSpd_Kph_f32	31.700008
_HapticAmplitude_MtrNm_f32	0.0540000014
_HapticDuration_Sec_f32	0.135000005
_HapticFreq_Hz_f32	7.63000011
_HapticReacttime_Sec_f32	0.143999994
LKAMaxVehSpd Kph f32	77.099985
_LKAMinVehSpd_Kph_f32	15.75
_MaxHapticReqTime_Sec_f32	0.150000006
_SWARLimiter_HwDeg_f32	14.800002
_ShiftLevRevTime_Sec_f32	0.0370000005
_StandstillThresh_Kph_f32	0.360000014
_StandstillTime_Sec_f32	0.0370000005
t_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-6.6500001
t Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 APADrvrInterventionDetected Cnt Ig	
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
pt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
pt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
pt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
pt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESClsLimited_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
pt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
t_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
t_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_Igc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
t_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
t_Rte_Inst_Ap_TrqOviota.TrqOviota_ren_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
pt_Rte_Inst_Ap_TrqOviSta_TrqOviSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
pt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_LKARequest_Cnt_Igc pt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc tgt_TrqOvlSta_Per1_LKAState_State_enum

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Name	Input Value			
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f3	2 tgt_TrqOvlSta_Per1_MaxSecureVel	hicleSpeed_Kph_f32		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f3.	tgt_TrqOvlSta_Per1_MinSecureVeh	nicleSpeed_Kph_f32		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable	e_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAn	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_t	32 tgt_TrqOvlSta_Per1_SWARTrgtAng	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32		
$tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc$	tgt_TrqOvlSta_Per1_ShiftLeverIsInF	Reverse_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_N	/ltrNm_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_F	tz_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_ESClsLimited_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_ShiftLeverlsInReverse_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	٠,	
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_PosSrvoHwAngle_HwDeg_f32.value tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.189999998 0.0540000014	0.189999998 ± 0.0009765625 0.0540000014 ± 0.0009765625		
0 = 0 = 0 =				

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 TrgOvlSta 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_TrqOvISta	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 TrqOvlSta HwTorqueSV HwNm M Str.SV UIs f32	425564 -4.3699989
TrqOvISta_HwTorqueSV_HwNm_M_Str.K_UIs_f32	0.0218000002
TrqOvISta_LKAFault_Cnt_M_lgc	1
TrgOvlSta 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	0.20000003
k_APAMaxHwTrq_HwNm_f32	0.720000029
k_APAMaxVehSpd_Kph_f32	16.2000008 31.7000008
k_ESCMaxVehSpd_Kph_f32 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	14.800002
k_ShiftLevRevTime_Sec_f32	0.0370000005
k_StandstillThresh_Kph_f32 k_StandstillTime_Sec_f32	0.360000014 0.0370000005
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	1.10000002
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_APADrvrInterventionDetected_Cnt_Igi	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_Igc	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_Igc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32 tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt Rte Inst Ap TrqOvISta.TrqOvISta Per1 ESCIsLimited Cnt Igc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt Rte Inst Ap TrqOvISta.TrqOvISta Per1 ESCRequest Cnt Igc	tgt_TrqOvIsta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt TrqOvISta Per1 ESCState State enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_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_Igc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_Igc	tgt_TrqOvISta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc tgt TrqOvlSta Per1_LKAState State enum
tgt Rte Inst Ap TrqOvISta.TrqOvISta Per1 MaxSecureVehicleSpeed Kph f32	tgt TrqOvIsta Per1 MaxSecureVehicleSpeed Kph f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlota_rer_maxoccureVehicleSpeed_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_ShiftLeverlsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc
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_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
	TRUE TRUOVIOLA FELL TRUOSCETEN FIZ 13Z
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0





Name	Input Value		
tgt TrgOvlSta 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_ESClsLimited_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_ShiftLeverlsInReverse_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	~
TrqOvISta_Haptictime_Sec_M_f32	425564	425564 ± 1	~
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-4.20148611	-4.20148611 ± 0.000009	~
TrqOvISta_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	~
	0	0	~
tgt_IrqOvlSta_Per1_GMOSHOscillateState_State_enum.value		0	✓
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	2	2	
tgt_TrqOvlSta_Per1_LKAState_State_enum.value tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1 ± 1	~
tgt_TrqOvlSta_Per1_LKAState_State_enum.value tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	1 0.18999998	1 ± 1 0.189999998 ± 0.0009765625	•
tgt_TrqOvlSta_Per1_LKAState_State_enum.value tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	1 0.189999998 0.0540000014	1 ± 1 0.189999998 ± 0.0009765625 0.0540000014 ± 0.0009765625	*
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value tgt_TrqOvlSta_Per1_LKAState_State_enum.value tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	1 0.18999998	1 ± 1 0.189999998 ± 0.0009765625	•

Test Step Call Trace				V
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

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	Input Value
	0
	2
	11.1000004
·	0
, = , = ===	1
	0.20000003
k_APAMaxHwTrq_HwNm_f32	0.720000029
k_APAMaxVehSpd_Kph_f32	16.2000008
k_ESCMaxVehSpd_Kph_f32	31.7000008
- , ,	0.0540000014
,	0.135000005
	7.63000011
	0.143999994
	17.1000004 15.75
	0.150000006
	14.8000002
	0.0370000005
	0.360000014
	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_TrqOvlSta_Per1_APARecoverableFaults_Cnt_Igc
	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
	tgt_TrqOvlSta_Per1_APAState_State_enum
	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
	tgt_TrqOvISta_Per1_ESCIsLimited_Cnt_lgc
	tgt_TrqOviSta_Per1_ESCRequest_Cnt_lgc
	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_Igc	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_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
	tgt TrgOvlSta Per1 LKAState State enum
	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_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_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
	tgt_rrqovista_Peri_irquscrreq_Hz_tsz
	0
	0
	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
0_ ,	1
	1
0_ 1 0	1
test test village Dead OMOOLL ADAMS-Frankla Out leaveling	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1 1
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	1

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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 TrgOvISta Per1 CP1 CheckpointReached	1	Rte Call TrgOvlSta Per1 CP1 CheckpointReached	1	_

Test Step 3.52 (Repeat Count = 1)	√
Name	Input Value
Rte Call Ap TrgOvlSta FaultInjection SCom FltInjection(SignalPath Uls f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte Inst Ap TrgOvlSta	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

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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_Igo			
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_Igc	tgt_TrqOvlSta_Per1_APANonRecoverableFaulte		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc	_Cnt_igc	
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_Igc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f3	32	
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_ESClsLimited_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_Igc	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_		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnab	-	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnab		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnab	*	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgctgt_TrqOvlSta_Per1_HwTorque_HwNm_f32		
tgt_Rte_Inst_Ap_TrqOviSta.TrqOviSta_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_MaxSecureVehicleSpec		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpee	d_Kph_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lg	С	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwD	0eg_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_HwDe		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f3		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32		
tgt TrqOvlSta Per1 APANonRecoverableFaults Cnt Igc.value	0		
tgt_TrqOvISta_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_ESClsLimited_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_LKAMfgEnable_Cnt_lgc.value	1		
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1		
tgt_TrqOvISta_Per1_HwTorque_HwNm_f32.value	3.3599999		
tgt_TrqOvISta_Per1_LKAFault_Cnt_lgc.value	0		
tgt TrqOvISta Per1 LKAInhibit Cnt Igc.value	0		
tgt_TrqOvISta_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	0.18999998		
$tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value$	-15.3999996		
tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc.value	1		
Name	Actual Value	Expected Value	Resul
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 TrqOvlSta_HanticState_State_M_enum	0	0 ± 1	•

0

11150

0

11150 ± 1

TrqOvlSta_HapticState_State_M_enum

TrqOvlSta_Hapticdur_Cnt_M_u16





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				V
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	~

Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_UIs_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvISta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	0
FrqOvlSta_ESCState_State_M_enum	2
rqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	4418.97998
rqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	835.559998
rqOvlSta_ElapsedStandstillTime_Sec_M_f32	4409.68018
FrqOvlSta_HapticState_State_M_enum	0
rqOvlSta_Hapticdur_Cnt_M_u16	11150
rqOvlSta_Haptictime_Sec_M_f32	425564
rqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-4.36999989
rqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.0218000002
rqOvlSta_LKAFault_Cnt_M_lgc	1
rqOvlSta_LKAPermFault_Cnt_M_lgc	0
rqOvlSta_LKAPermFault_Cnt_M_u08	2
TrqOvlSta_LKAState_State_M_enum	1
rqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	11.1000004
FrqOvlSta_ReadytoPulse_Cnt_M_lgc	0
_APAIncludeHaptic_Cnt_lgc	1
_APAMaxHwTrqTime_Sec_f32	0.200000003
_APAMaxHwTrq_HwNm_f32	0.720000029
_APAMaxVehSpd_Kph_f32	16.2000008
_ESCMaxVehSpd_Kph_f32	31.7000008
	0.0540000014
	0.135000005
 :_HapticFreq_Hz_f32	7.63000011
HapticReacttime Sec f32	0.143999994
LKAMaxVehSpd Kph f32	77.099985
LKAMinVehSpd Kph f32	15.75
MaxHapticRegTime Sec f32	0.150000006
SWARLimiter HwDeg f32	14.8000002
ShiftLevRevTime Sec f32	0.0370000005
StandstillThresh_Kph_f32	0.360000014
S StandstillTime Sec f32	0.0370000005
gt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	1.10000002
gt_Rte_cair_Ap_mqovista_raditinjection_3coni_ritinjection_3ign gt_Rte_Inst_Ap_mqovista.TrqOvISta_Per1_APADrvrInterventionDetected_Cnt_Ic	
gt_Rte_inst_Ap_rtqOviSta.frqOviSta_Fet1_APADivfiliervefitiofibetected_Off_it gt_Rte_inst_Ap_TrqOviSta.TrqOviSta_Per1_APANonRecoverableFaults_Cnt_lgc	
gt_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Fet1_APANotiRecoverableFaults_Citt_Igc gt_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Per1_APARecoverableFaults_Citt_Igc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_Igc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_CCWPosition_HwDeg_f32 gt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32 tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc

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TrqOvlSta_Per1



Name	Input Value		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f3	32	
tgt Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 ESCFault Cnt Igc	tgt TrqOvlSta Per1 ESCFault Cnt Igc		
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_TrqOvISta.TrqOvISta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvISta_Per1_GMOSHOscillateState_		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnab		
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_GMOSH_ESCMfgEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnab		
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_GMOSH_LKAMfgEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnab		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_Igc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgd		
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_MaxSecureVehicleSpe	ed_Kph_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpee	ed_Kph_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lg	JC .	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwE	Deg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgd	2	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwD		
tgt Rte Inst Ap TrqOvISta.TrqOvISta Per1 SWARTrgtAngRequest HwDeg f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest		
tgt Rte Inst Ap TrqOvISta.TrqOvISta Per1 ShiftLeverIsInReverse Cnt Igc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_		
tgt Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 TrqOscAmp MtrNm f32	tgt_TrqOvISta_Per1_StittLeverishitkeverse_		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_Igc	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_ESClsLimited_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 Igc.value	1		
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	1		
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	3.3599999		
	0		
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	0		
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value			
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_ShiftLeverlsInReverse_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	
TrgOvlSta ElapsedShiftLevRevTime Sec M f32	835.559998	835.559998 ± 1	✓
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	✓
TrqOvlSta_HapticState_State_M_enum	0	0	~
TrgOvISta Hapticdur Cnt M u16	11150	11150 ± 1	
TrqOvISta_Haptictime_Sec_M_f32	425564	425564 ± 1	V
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32	-4.20148611	-4.20148611 ± 0.000009	-
TrqOvISta_LKAFault_Cnt_M_lgc	0	0±1	Ž
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	
TrqOvlSta_LKAPermFault_Cnt_M_u08	2	2 ± 1	~
TrqOvlSta_LKAState_State_M_enum	2	2	V
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.189999998	0.189999998 ± 0.0009765625	~
TrqOvlSta_ReadytoPulse_Cnt_M_lgc		0 ± 1	✓
	0		
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	1	1 ± 1	
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_Igc.value tgt_TrqOvlSta_Per1_APAState_State_enum.value		1 ± 1 0	~
	1		~
tgt_TrqOvlSta_Per1_APAState_State_enum.value	1 0	0	~
tgt_TrqOvlSta_Per1_APAState_State_enum.value tgt_TrqOvlSta_Per1_ESCState_State_enum.value	1 0 3	0 3	~
tgt_TrqOvlSta_Per1_APAState_State_enum.value tgt_TrqOvlSta_Per1_ESCState_State_enum.value tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	1 0 3 0	0 3 0	*
tgt_TrqOvlSta_Per1_APAState_State_enum.value tgt_TrqOvlSta_Per1_ESCState_State_enum.value tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value tgt_TrqOvlSta_Per1_LKAState_State_enum.value	1 0 3 0 2	0 3 0 2	· · · · · · · · · · · · · · · · · · ·

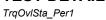
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Name	Actual Value	Expected Value	Result
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.0540000014	0.0540000014 ± 0.0009765625	~
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	✓
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	7.63000011	7.63000011 ± 0.0009765625	~

Test Step Call Trace				V
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	14.800002
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_rtte_cair_xp_rrqcvista_raditinjection_sconi_ritinjection_signititititititititititititititititititi	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_Igc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_Igc	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_Igc	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_Igc	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_Igc	tgt_TrqOvlSta_Per1_ESClsLimited_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_Igc
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_f3	2 tgt_TrqOvlSta_Per1_MaxSecureVehic	cleSpeed_Kph_f32		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicl	leSpeed_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	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	e_HwDeg_f32		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32			
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverIsInRe	verse_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_Mtrl	Nm_f32		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_C	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	•	
	1	0.189999998 ± 0.0009765625		
tgt TrqOvlSta Per1 PosSrvoHwAngle HwDeg f32.value	0.189999998			
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.189999998 0.0540000014	0.0540000014 ± 0.0009765625		

Test Step Call Trace				V
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 TrgOvlSta Per1 CP1 CheckpointReached	1	~



Test Step 3.55 (Repeat Count = 1)	Innut Value
Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FitInjection_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 TrqOvlSta Hapticdur Cnt M u16	11150
TrqOvlSta_Haptictime_Sec_M_f32	425564
TrqOvlSta_Hapitctime_Sec_wi_i32 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
TrqOvISta LKAPermFault Cnt M Igc	0
TrqOvISta_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 Igc	1
k_APAMaxHwTrqTime_Sec_f32	0.200000003
k_APAMaxHwTrq_HwNm_f32	0.720000029
k_APAMaxVehSpd_Kph_f32	16.200008
k_ESCMaxVehSpd_Kph_f32	31.700008
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_Ig	1
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_Igc
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_Igc	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_Igc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESClsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_IrqOviSta.IrqOviSta_Per1_ESCRequest_Cnt_igc tgt_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_InqOviSta.InqOviSta_Peri_ESCState_State_enum tgt_Rte_Inst_Ap_InqOviSta.TrqOviSta_Peri_ESCState_State_enum	tgt_TrqOvIsta_Per1_ESCState_State_enum tgt_TrqOvISta_Per1_GMOSHOscillateState_state_enum
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt TrqOvISta Per1 GMOSH APAMfgEnable Cnt Igc
tgt_Rte_Inst_Ap_TrqOvIsta.TrqOvIsta_Per1_GMOSH_ESCMfgEnable_Cnt_Igc	tgt_TrqOvISta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt TrqOvlSta Per1 GMOSH LKAMfgEnable Cnt Igc
tgt_Rte_Inst_Ap_TrqOvIsta.TrqOvIsta_Per1_HapticRequest_Cnt_Igc	tgt_TrqOvISta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvISta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvISta_Per1_LKAFault_Cnt_Igc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt TrqOvISta Per1 LKAInhibit Cnt Igc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOviSta_Per1_LKARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_LKAState_State_enum	tgt_TrqOvISta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_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_ShiftLeverlsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_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

TrqOvlSta_Per1





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_ESClsLimited_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_ShiftLeverlsInReverse_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_ESCState_State_M_enum TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	4 4418.97998	4 4418.97998 ± 1	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	4418.97998	4418.97998 ± 1	~
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32 TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	4418.97998 835.559998	4418.97998 ± 1 835.559998 ± 1	~
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32 TrqOvlSta_ElapsedStandstillTime_Sec_M_f32 TrqOvlSta_HapticState_State_M_enum	4418.97998 835.559998 0	4418.97998 ± 1 835.559998 ± 1 0 ± 1	~
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32 TrqOvlSta_ElapsedStandstillTime_Sec_M_f32 TrqOvlSta_HapticState_State_M_enum TrqOvlSta_Hapticdur_Cnt_M_u16	4418.97998 835.559998 0	4418.97998 ± 1 835.559998 ± 1 0 ± 1 0	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32 TrqOvlSta_ElapsedStandstillTime_Sec_M_f32 TrqOvlSta_HapticState_State_M_enum TrqOvlSta_Hapticdur_Cnt_M_u16 TrqOvlSta_Haptictime_Sec_M_f32	4418.97998 835.559998 0 0 11150 425564	4418.97998 ± 1 835.559998 ± 1 0 ± 1 0 11150 ± 1	*
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32 TrqOvlSta_ElapsedStandstillTime_Sec_M_f32 TrqOvlSta_HapticState_State_M_enum TrqOvlSta_Hapticdur_Cnt_M_u16 TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	4418.97998 835.559998 0 0 11150 425564 -4.20148611	4418.97998 ± 1 835.559998 ± 1 0 ± 1 0 11150 ± 1 425564 ± 1 -4.20148611 ± 0.000009	· · · · · · · · · · · · · · · · · · ·
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32 TrqOvlSta_ElapsedStandstillTime_Sec_M_f32 TrqOvlSta_HapticState_State_M_enum TrqOvlSta_Hapticdur_Cnt_M_u16 TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32 TrqOvlSta_LKAFault_Cnt_M_lgc	4418.97998 835.559998 0 0 11150 425564	4418.97998 ± 1 835.559998 ± 1 0 ± 1 0 11150 ± 1 425564 ± 1 -4.20148611 ± 0.000009 0 ± 1	· · · · · · · · · · · · · · · · · · ·
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32 TrqOvlSta_ElapsedStandstillTime_Sec_M_f32 TrqOvlSta_HapticState_State_M_enum TrqOvlSta_Hapticdur_Cnt_M_u16 TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32 TrqOvlSta_LKAFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_lgc	4418.97998 835.559998 0 0 11150 425564 -4.20148611	4418.97998 ± 1 835.559998 ± 1 0 ± 1 0 11150 ± 1 425564 ± 1 -4.20148611 ± 0.000009 0 ± 1 0 ± 1	· · · · · · · · · · · · · · · · · · ·
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32 TrqOvlSta_ElapsedStandstillTime_Sec_M_f32 TrqOvlSta_HapticState_State_M_enum TrqOvlSta_Hapticdur_Cnt_M_u16 TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32 TrqOvlSta_LKAFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_u08	4418.97998 835.559998 0 0 11150 425564 -4.20148611 1	4418.97998 ± 1 835.559998 ± 1 0 ± 1 0 11150 ± 1 425564 ± 1 -4.20148611 ± 0.000009 0 ± 1	· · · · · · · · · · · · · · · · · · ·
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32 TrqOvlSta_ElapsedStandstillTime_Sec_M_f32 TrqOvlSta_HapticState_State_M_enum TrqOvlSta_Hapticdur_Cnt_M_u16 TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32 TrqOvlSta_LKAFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_u08 TrqOvlSta_LKAState_State_M_enum	4418.97998 835.559998 0 0 11150 425564 -4.20148611 1 0 2	4418.97998 ± 1 835.559998 ± 1 0 ± 1 0 11150 ± 1 425564 ± 1 -4.20148611 ± 0.000009 0 ± 1 0 ± 1 2 ± 1 2	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32 TrqOvlSta_ElapsedStandstillTime_Sec_M_f32 TrqOvlSta_HapticState_State_M_enum TrqOvlSta_Hapticdur_Cnt_M_u16 TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32 TrqOvlSta_LKAFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_u08 TrqOvlSta_LKAState_State_M_enum TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	4418.97998 835.559998 0 0 11150 425564 -4.20148611 1 0 2 2 2.0.189999998	4418.97998 ± 1 835.559998 ± 1 0 ± 1 0 11150 ± 1 425564 ± 1 -4.20148611 ± 0.000009 0 ± 1 0 ± 1 2 ± 1 2 $0.189999998 \pm 0.0009765625$	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32 TrqOvlSta_ElapsedStandstillTime_Sec_M_f32 TrqOvlSta_HapticState_State_M_enum TrqOvlSta_Hapticdur_Cnt_M_u16 TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32 TrqOvlSta_LKAFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_u08 TrqOvlSta_LKAState_State_M_enum TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvlSta_ReadytoPulse_Cnt_M_lgc	4418.97998 835.559998 0 0 11150 425564 -4.20148611 1 0 2	4418.97998 ± 1 835.559998 ± 1 0 ± 1 0 11150 ± 1 425564 ± 1 -4.20148611 ± 0.000009 0 ± 1 0 ± 1 2 ± 1 2 $0.189999998 \pm 0.0009765625$ 0 ± 1	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32 TrqOvlSta_ElapsedStandstillTime_Sec_M_f32 TrqOvlSta_HapticState_State_M_enum TrqOvlSta_Hapticdur_Cnt_M_u16 TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32 TrqOvlSta_LKAFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_u08 TrqOvlSta_LKAState_State_M_enum TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvlSta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	4418.97998 835.559998 0 0 11150 425564 -4.20148611 1 0 2 2 0.189999998 0	4418.97998 ± 1 835.559998 ± 1 0 ± 1 0 11150 ± 1 425564 ± 1 -4.20148611 ± 0.000009 0 ± 1 0 ± 1 2 ± 1 2 $0.189999998 \pm 0.0009765625$	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32 TrqOvlSta_ElapsedStandstillTime_Sec_M_f32 TrqOvlSta_HapticState_State_M_enum TrqOvlSta_Hapticdur_Cnt_M_u16 TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32 TrqOvlSta_LKAFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_u08 TrqOvlSta_LKAState_State_M_enum TrqOvlSta_LKAState_State_M_enum TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvlSta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value tgt_TrqOvlSta_Per1_APAState_State_enum.value	4418.97998 835.559998 0 0 11150 425564 -4.20148611 1 0 2 2 0.189999998 0 1	4418.97998 ± 1 835.559998 ± 1 0 ± 1 0 11150 ± 1 425564 ± 1 -4.20148611 ± 0.000009 0 ± 1 0 ± 1 2 ± 1 2 0.189999998 ± 0.0009765625 0 ± 1 1 ± 1 0	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32 TrqOvlSta_ElapsedStandstillTime_Sec_M_f32 TrqOvlSta_HapticState_State_M_enum TrqOvlSta_Hapticdur_Cnt_M_u16 TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32 TrqOvlSta_LKAFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_u08 TrqOvlSta_LKAState_State_M_enum TrqOvlSta_LKAState_State_M_enum TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvlSta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value tgt_TrqOvlSta_Per1_APAState_State_enum.value tgt_TrqOvlSta_Per1_ESCState_State_enum.value	4418.97998 835.559998 0 0 11150 425564 -4.20148611 1 0 2 2 0.189999998 0 1	4418.97998 ± 1 835.559998 ± 1 0 ± 1 0 11150 ± 1 425564 ± 1 -4.20148611 ± 0.000009 0 ± 1 0 ± 1 2 ± 1 2 0.189999998 ± 0.0009765625 0 ± 1 1 ± 1	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32 TrqOvlSta_ElapsedStandstillTime_Sec_M_f32 TrqOvlSta_HapticState_State_M_enum TrqOvlSta_Hapticdur_Cnt_M_u16 TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32 TrqOvlSta_LKAFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_u08 TrqOvlSta_LKAState_State_M_enum TrqOvlSta_LKAState_State_M_enum TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvlSta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value tgt_TrqOvlSta_Per1_APAState_State_enum.value tgt_TrqOvlSta_Per1_ESCState_State_enum.value tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	4418.97998 835.559998 0 0 11150 425564 -4.20148611 1 0 2 2 0.189999998 0 1 0 4	4418.97998 ± 1 835.559998 ± 1 0 ± 1 0 11150 ± 1 425564 ± 1 -4.20148611 ± 0.000009 0 ± 1 0 ± 1 2 ± 1 2 0.189999998 ± 0.0009765625 0 ± 1 1 ± 1 0 4 0	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32 TrqOvlSta_ElapsedStandstillTime_Sec_M_f32 TrqOvlSta_ElapsedStandstillTime_Sec_M_f32 TrqOvlSta_HapticState_State_M_enum TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32 TrqOvlSta_LKAFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_u08 TrqOvlSta_LKAPermFault_Cnt_M_u08 TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvlSta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value tgt_TrqOvlSta_Per1_ESCState_State_enum.value tgt_TrqOvlSta_Per1_GMOSHOscillateState_enum.value tgt_TrqOvlSta_Per1_LKAState_State_enum.value tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4418.97998 835.559998 0 0 11150 425564 -4.20148611 1 0 2 2 0.189999998 0 1 0 4 0 2	4418.97998 ± 1 835.559998 ± 1 0 ± 1 0 11150 ± 1 425564 ± 1 -4.20148611 ± 0.000009 0 ± 1 0 ± 1 2 ± 1 2 0.189999998 ± 0.0009765625 0 ± 1 1 ± 1 0 4 0 2	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32 TrqOvlSta_ElapsedStandstillTime_Sec_M_f32 TrqOvlSta_ElapsedStandstillTime_Sec_M_f32 TrqOvlSta_HapticState_State_M_enum TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32 TrqOvlSta_LKAFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_u08 TrqOvlSta_LKAPermFault_Cnt_M_u08 TrqOvlSta_LKAState_State_Menum TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvlSta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvlSta_Per1_APAState_State_enum.value tgt_TrqOvlSta_Per1_ESCState_State_enum.value tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value tgt_TrqOvlSta_Per1_LKAState_State_enum.value tgt_TrqOvlSta_Per1_LKAState_State_enum.value tgt_TrqOvlSta_Per1_LKAState_State_enum.value tgt_TrqOvlSta_Per1_LKAState_State_enum.value tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4418.97998 835.559998 0 0 11150 425564 -4.20148611 1 0 2 2 0.189999998 0 1 0 4 0 2 1	4418.97998 ± 1 835.559998 ± 1 0 ± 1 0 11150 ± 1 425564 ± 1 -4.20148611 ± 0.000009 0 ± 1 0 ± 1 2 ± 1 2 0.189999998 ± 0.0009765625 0 ± 1 1 ± 1 0 4 0 2 1 ± 1	
TrqOvISta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 TrqOvISta_ElapsedShiftLevRevTime_Sec_M_f32 TrqOvISta_ElapsedStandstillTime_Sec_M_f32 TrqOvISta_ElapsedStandstillTime_Sec_M_f32 TrqOvISta_HapticState_State_M_enum TrqOvISta_Hapticdur_Cnt_M_u16 TrqOvISta_Haptictime_Sec_M_f32 TrqOvISta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32 TrqOvISta_LKAFault_Cnt_M_lgc TrqOvISta_LKAPermFault_Cnt_M_u08 TrqOvISta_LKAPermFault_Cnt_M_u08 TrqOvISta_LKAState_State_Menum TrqOvISta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvISta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvISta_Per1_APADrvrInterventionDetected_Cnt_lgc.value tgt_TrqOvISta_Per1_APAState_State_enum.value tgt_TrqOvISta_Per1_GMOSHOscillateState_State_enum.value tgt_TrqOvISta_Per1_LKAState_State_enum.value tgt_TrqOvISta_Per1_LKAState_State_enum.value tgt_TrqOvISta_Per1_LKAState_State_enum.value tgt_TrqOvISta_Per1_PosServEnable_Cnt_lgc.value tgt_TrqOvISta_Per1_PosSrvoHwAngle_HwDeg_f32.value	4418.97998 835.559998 0 0 11150 425564 -4.20148611 1 0 2 2 0.189999998 0 1 0 4 0 2 1 0.189999998	4418.97998 ± 1 835.559998 ± 1 0 ± 1 0 11150 ± 1 425564 ± 1 -4.20148611 ± 0.000009 0 ± 1 0 ± 1 2 ± 1 2 0.189999998 ± 0.0009765625 0 ± 1 1 ± 1 0 4 0 2	
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32 TrqOvlSta_ElapsedStandstillTime_Sec_M_f32 TrqOvlSta_ElapsedStandstillTime_Sec_M_f32 TrqOvlSta_HapticState_State_M_enum TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32 TrqOvlSta_LKAFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_u08 TrqOvlSta_LKAPermFault_Cnt_M_u08 TrqOvlSta_LKAState_State_Menum TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvlSta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvlSta_Per1_APAState_State_enum.value tgt_TrqOvlSta_Per1_ESCState_State_enum.value tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value tgt_TrqOvlSta_Per1_LKAState_State_enum.value tgt_TrqOvlSta_Per1_LKAState_State_enum.value tgt_TrqOvlSta_Per1_LKAState_State_enum.value tgt_TrqOvlSta_Per1_LKAState_State_enum.value tgt_TrqOvlSta_Per1_LKAState_State_enum.value	4418.97998 835.559998 0 0 11150 425564 -4.20148611 1 0 2 2 0.189999998 0 1 0 4 0 2 1	4418.97998 ± 1 835.559998 ± 1 0 ± 1 0 11150 ± 1 425564 ± 1 -4.20148611 ± 0.000009 0 ± 1 0 ± 1 2 ± 1 2 0.189999998 ± 0.0009765625 0 ± 1 1 ± 1 0 4 0 2 1 ± 1 0.189999998 ± 0.0009765625	

Test Step Call Trace				V
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 TrqOvlSta PosSrvoHwAngle HwDeg M f32	3 6.6999981
TrqOvIsta_ReadytoPulse_Cnt_M_lgc	0
k_APAIncludeHaptic_Cnt_lgc	0
k_APAMaxHwTrqTime_Sec_f32	0.159999996
k_APAMaxHwTrq_HwNm_f32	0.40000006
k_APAMaxVehSpd_Kph_f32	9
k_ESCMaxVehSpd_Kph_f32	22.1000004
k_HapticAmplitude_MtrNm_f32	0.029999993
k_HapticDuration_Sec_f32	0.075000003
k_HapticFreq_Hz_f32	5.57399988 0.079999982
k_HapticReacttime_Sec_f32 k_LKAMaxVehSpd_Kph_f32	9.5
k_LKAMinVehSpd_Kph_f32	8.75
k_MaxHapticReqTime_Sec_f32	0.090000036
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_FitInjection_Sign	-7.25
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_Igc	
tgt_Rte_inst_Ap_frqOviSta.frqOviSta_Peri_APANonRecoverableFaults_Cnt_igc tgt_Rte_inst_Ap_frqOviSta.frqOviSta_Peri_APARecoverableFaults_Cnt_igc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOviSta.TrqOviSta_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_Igc	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_Igc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESClsLimited_Cnt_lgc tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvISta_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_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvIsta_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_Igc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32 tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Peri_SwARTrgtAngRequest_HwDeg_132 tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Peri_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32 tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc
tgt Rte Inst Ap TrqOvISta.TrqOvISta Per1 TrqOscAmp MtrNm f32	tgt TrqOvIsta 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 1
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	1 362.959991
tgt_TrqOvISta_Per1_ESCFault_Cnt_Igc.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_TrqOvISta_Per1_LKAFault_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	1

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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_ShiftLeverlsInReverse_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	0.029999993	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	~

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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	0.40000006
k_APAMaxVehSpd_Kph_f32	9
k_ESCMaxVehSpd_Kph_f32	22.1000004
k_HapticAmplitude_MtrNm_f32	0.029999993
k_HapticDuration_Sec_f32	0.075000003
k_HapticFreq_Hz_f32	5.57399988
k_HapticReacttime_Sec_f32	0.0799999982
k_LKAMaxVehSpd_Kph_f32	9.5

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TrqOvlSta_Per1



Name	Input Value		
k_LKAMinVehSpd_Kph_f32	8.75 0.0900000036		
k_MaxHapticReqTime_Sec_f32 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_Igo		tected Cnt Igc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFa		
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_Igc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f3	2	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_Igc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESClsLimited_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_GMOSH.OscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_		
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnab		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnab tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnabl		
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt TrqOvISta Per1 HwTorque HwNm f32	,	
tgt Rte Inst Ap TrqOvISta.TrqOvISta Per1 LKAFault Cnt Igc	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_MaxSecureVehicleSpee	ed Kph f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpee		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lg	_ · _	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwD	eg_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_HwDe	eg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest	_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_	Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f3:	2	
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	364 360000		
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value tgt TrqOvlSta Per1 CWFound Cnt lgc.value	-361.269989 1		
tgt_TrqOvISta_Per1_CWPosition_HwDeg_f32.value	362.98999		
tgt_TrqOvISta_Per1_ESCFault_Cnt_Igc.value	0		
tgt TrgOvlSta Per1 ESCIsLimited Cnt Igc.value	1		
tgt_TrqOvISta_Per1_ESCRequest_Cnt_Igc.value	0		
tgt TrqOviSta Per1 GMOSH APAMfgEnable Cnt Igc.value	1		
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1		
tgt TrqOvlSta Per1 GMOSH LKAMfgEnable Cnt Igc.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_ShiftLeverlsInReverse_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	V
TrqOvISta_HapticState_State_M_enum	1050	1050 + 1	*
TrqOvlSta_Hapticdur_Cnt_M_u16	1050	1050 ± 1	





Name	Actual Value	Expected Value	Result
TrqOvISta_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	0.029999993	0.029999993 ± 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	~

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 TrqOvIsta	tgt Rte Inst Ap TrqOvlSta
rqOvISta_APAState_State_M_enum	1
rqOvISta_ESCState_State_M_enum	1
rqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0
rgOvlSta ElapsedShiftLevRevTime Sec M f32	0
rqOvlSta ElapsedStandstillTime Sec M f32	0
rqOvISta HapticState State M enum	0
rqOvISta_Hapticdur_Cnt_M_u16	44450
rgOvISta Haptictime Sec M f32	0
rqOvISta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32	-1.64999998
rqOviSta_mwTorqueSV_mwNiii_ivi_Sti.Sv_Uis_i32	0.419
rqOviSta_mwTorqueSv_mwNrii_ivi_Str.K_Uis_i32 FrqOviSta_LKAFault_Cnt_M_lgc	0.419
rqOviSta_LKAPault_Cnt_M_igc	0
rqOvISta_LKAPermFault_Cnt_M_u08	1
rqOviSta_LKAState_State_M_enum	0
rgOvISta PosSrvoHwAngle HwDeg M f32	1.3999998
rqOvISta_rossivoriwArigie_riwDeg_w_i52	1
APAIncludeHaptic Cnt Igc	1
APAMaxHwTrqTime Sec f32	0.601666689
APAMaxHwTrq HwNm f32	0
APAMaxVehSpd Kph f32	138.600006
CESCMaxVehSpd_Kph_f32	12
: HapticAmplitude MtrNm f32	0.462000012
K_HapticAmplitude_Mthnm_isz	1.15499997
: HapticDuration_Sec_132	32.3019981
- ·	1.23199999
:_HapticReacttime_Sec_f32	
C_LKAMaxVehSpd_Kph_f32	146.300003
K_LKAMinVehSpd_Kph_f32	100
(CMARHimiter Hunder 63)	0.600000024
SSWARLimiter_HwDeg_f32	0
S_ShiftLevRevTime_Sec_f32	0.308999985
S_StandstillThresh_Kph_f32	0
s_StandstillTime_Sec_f32	0.308999985
gt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	5
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_Iq	
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	1
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_Igc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_CCWPosition_HwDeg_f32 gt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32 tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc

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Name	Input Value		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f3	32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESClsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_ESCRequest_Cnt_Igc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum tgt_TrqOvlSta_Per1_GMOSHOscillateState_		
tgt_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOviSta_Per1_GMOSH_APAMfgEnab		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnab	_	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnab	le_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgd	3	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32		
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_LKAFault_Cnt_Igc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Per1_LKAState_State_enum	tgt_TrqOviSta_Per1_LKAState_State_enum		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpec		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpee	ed_Kph_f32	
tgt_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lg	c	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwD		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32 tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDottgt_TrqOvlSta_Per1_SWARTrgtAngRequest	-	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_Igc	tgt_TrqOvlSta_Fer1_SWAKTrgJangkequest		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f3	· -·	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOviSta.TrqOviSta_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 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_ESClsLimited_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 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 tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32.value	1		
tgt_TrqOvlSta_Fer1_iviinSecureveriicleSpeed_Rpi1_i52.value	1		
tgt TrqOvlSta Per1 PosTrajHwAngle HwDeg f32.value	0.200000003		
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	0		
tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc.value	1		
Name	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	1	1	~
TrqOvlSta_ESCState_State_M_enum	1	1	V
TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0.00200000009 0.00200000009	0.00200000009 ± 1 0.00200000009 ± 1	*
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32 TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1	
TrgOvlSta 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 TrqOvlSta_LKAState_State_M_enum	0	2 ± 1 0	Ž
TrgOvlSta 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 tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 1 ± 1	*
tgt_TrqOvlSta_Per1_PosServEnable_Cfft_igc.value 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				V
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 APAMaxHwTrg 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	13.300002
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 TrqOvISta.TrqOvISta Per1 APADrvrInterventionDetected Cnt Igo	
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 TrqOvISta Per1 APARecoverableFaults Cnt Igc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvISta_Per1_APARequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvISta_Per1_APAState_state_enum
tgt_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Per1_APAState_State_entitin tgt_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvISta_Per1_CCWFound_Cnt_lgc
	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32 tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	
	tgt_TrqOvISta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32 tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32 tgt TrqOvlSta Per1 ESCFault Cnt lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_Igc	tgt_TrqOvISta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_Igc	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_Igc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_Igc	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

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

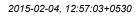


Name	Input Value		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpe	ed Knh f32	
tgt Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 MinSecureVehicleSpeed Kph f32	tgt TrqOvlSta Per1 MinSecureVehicleSpee		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lg	- · -	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwI		
tgt Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 PosTrajEnable Cnt Igc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lge		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwD		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f3		
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_ShiftLeverlsInReverse_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	~
TrqOvISta_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_Igc.value	1	1 ± 1	~
tgt_TrqOvlSta_Per1_APAState_State_enum.value	0	0	~
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	0	0	~
T 0 101 D 4 01400110 311 1 01 1 01 1	0	0	~
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	1		
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	3	3	
tgt_TrqOvlSta_Per1_LKAState_State_enum.value tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	3 1	1 ± 1	~
tgt_TrqOvlSta_Per1_LKAState_State_enum.value tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	3 1 0.170000002	1 ± 1 0.170000002 ± 0.0009765625	*
tgt_TrqOvlSta_Per1_LKAState_State_enum.value tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	3 1 0.170000002 0.0419999994	1 ± 1 0.170000002 ± 0.0009765625 0.0419999994 ± 0.0009765625	~
tgt_TrqOvlSta_Per1_LKAState_State_enum.value tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	3 1 0.170000002	1 ± 1 0.170000002 ± 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 TrgOvlSta Per1 CP1 CheckpointReached	1	Rte Call TrgOvlSta Per1 CP1 CheckpointReached	1	~



Test Step 3.60 (Repeat Count = 1)	Innut Value
Name	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FitInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FitInjection_Sign
Rte_Inst_Ap_TrqOvISta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	2 2
TrqOvlSta_ESCState_State_M_enum TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	2639.65991
TrgOvlSta 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
TrqOvISta Haptictime Sec M f32	3285.03003
TrgOvlSta 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	0.56000002
k_APAMaxVehSpd_Kph_f32	12.6000004
k_ESCMaxVehSpd_Kph_f32	26.8999996 0.0419999994
k_HapticAmplitude_MtrNm_f32 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_Igo	c 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_Igc
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_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt TrqOviSta Per1 CWFound Cnt lgc
tgt Rte Inst Ap TrqOvISta.TrqOvISta Per1 CWPosition HwDeg f32	tgt_TrqOvISta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_ESCFault_Cnt_Igc	tgt TrgOvlSta Per1 ESCFault Cnt Igc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESClsLimited_Cnt_lgc
tgt Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 ESCRequest Cnt Igc	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_Igc	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_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32 tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_PosServEnable_Crit_igc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvIsta_Per1_PosServEnable_Cnt_lgc tgt_TrqOvISta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvISta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Ont_ig0 tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvISta_Per1_PosTrajEnable_Cnt_igc tgt_TrqOvISta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvISta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_Igc	tgt_TrqOvISta_Per1_ShiftLeverIsInReverse_Cnt_Igc
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_TrqOviSta_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
	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_ESClsLimited_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_ShiftLeverlsInReverse_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			
TIGOTIONA_TIMPROGRAT_OTIC_W_UTO	6100	6100 ± 1	✓
TrqOvISta_Haptictime_Sec_M_f32	6100 3285.03003	6100 ± 1 3285.03003 ± 1	~
			-
TrqOvlSta_Haptictime_Sec_M_f32	3285.03003	3285.03003 ± 1	•
TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	3285.03003 -5.44645023	3285.03003 ± 1 -5.44645023 ± 0.000009	· ·
TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32 TrqOvlSta_LKAFault_Cnt_M_lgc	3285.03003 -5.44645023 1	3285.03003 ± 1 -5.44645023 ± 0.000009 1 ± 1	· ·
TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32 TrqOvlSta_LKAFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_lgc	3285.03003 -5.44645023 1	3285.03003 ± 1 -5.44645023 ± 0.000009 1 ± 1 1 ± 1	\rightarrow \frac{1}{\sqrt{2}}
TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32 TrqOvlSta_LKAFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_u08	3285.03003 -5.44645023 1 1 3	3285.03003 ± 1 -5.44645023 ± 0.000009 1 ± 1 1 ± 1 3 ± 1	~
TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32 TrqOvlSta_LKAFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_u08 TrqOvlSta_LKAState_State_M_enum	3285.03003 -5.44645023 1 1 3 3	3285.03003 ± 1 -5.44645023 ± 0.000009 1 ± 1 1 ± 1 3 ± 1 3	•
TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32 TrqOvlSta_LKAFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_u08 TrqOvlSta_LKAState_State_M_enum TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	3285.03003 -5.44645023 1 1 3 3 0.170000002	3285.03003 ± 1 -5.44645023 ± 0.000009 1 ± 1 1 ± 1 3 ± 1 3 $0.170000002 \pm 0.0009765625$	· · · · · · · · · · · · · · · · · · ·
TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32 TrqOvlSta_LKAFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_u08 TrqOvlSta_LKAState_State_M_enum TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvlSta_ReadytoPulse_Cnt_M_lgc	3285.03003 -5.44645023 1 1 3 3 0.170000002 0	3285.03003 ± 1 -5.44645023 ± 0.000009 1 ± 1 1 ± 1 3 ± 1 3 $0.170000002 \pm 0.0009765625$ 0 ± 1	
TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32 TrqOvlSta_LKAFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_gc TrqOvlSta_LKAPermFault_Cnt_M_u08 TrqOvlSta_LKAState_State_M_enum TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvlSta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	3285.03003 -5.44645023 1 1 3 3 0.170000002 0	3285.03003 ± 1 -5.44645023 ± 0.000009 1 ± 1 1 ± 1 3 ± 1 3 $0.170000002 \pm 0.0009765625$ 0 ± 1 1 ± 1	•
TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32 TrqOvlSta_LKAFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_gc TrqOvlSta_LKAPermFault_Cnt_M_u08 TrqOvlSta_LKAState_State_M_enum TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvlSta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value tgt_TrqOvlSta_Per1_APAState_State_enum.value	3285.03003 -5.44645023 1 1 3 3 0.170000002 0 1	3285.03003 ± 1 -5.44645023 ± 0.000009 1 ± 1 1 ± 1 3 ± 1 3 0.170000002 ± 0.0009765625 0 ± 1 1 ± 1 0	
TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32 TrqOvlSta_LKAFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_gc TrqOvlSta_LKAPermFault_Cnt_M_u08 TrqOvlSta_LKAState_State_M_enum TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvlSta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value tgt_TrqOvlSta_Per1_APAState_State_enum.value tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3285.03003 -5.44645023 1 1 3 3 0.170000002 0 1 0 2	3285.03003 ± 1 -5.44645023 ± 0.000009 1 ± 1 1 ± 1 3 ± 1 3 $0.170000002 \pm 0.0009765625$ 0 ± 1 1 ± 1 0 2	
TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32 TrqOvlSta_LKAFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_u08 TrqOvlSta_LKAState_State_M_enum TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvlSta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value tgt_TrqOvlSta_Per1_APAState_State_enum.value tgt_TrqOvlSta_Per1_SCState_State_enum.value tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	3285.03003 -5.44645023 1 1 3 3 0.170000002 0 1 0 2	3285.03003 ± 1 -5.44645023 ± 0.000009 1 ± 1 1 ± 1 3 ± 1 3 0.170000002 ± 0.0009765625 0 ± 1 1 ± 1 0 2 0	
TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32 TrqOvlSta_LKAFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_u08 TrqOvlSta_LKAState_State_M_enum TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvlSta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value tgt_TrqOvlSta_Per1_APAState_State_enum.value tgt_TrqOvlSta_Per1_GMOSHOScillateState_State_enum.value tgt_TrqOvlSta_Per1_LKAState_State_enum.value tgt_TrqOvlSta_Per1_LKAState_State_enum.value	3285.03003 -5.44645023 1 1 3 3 0.170000002 0 1 0 2 0 3	3285.03003 ± 1 -5.44645023 ± 0.000009 1 ± 1 1 ± 1 3 ± 1 3 0.170000002 ± 0.0009765625 0 ± 1 1 ± 1 0 2 0 3	
TrqOvISta_Haptictime_Sec_M_f32 TrqOvISta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32 TrqOvISta_LKAFault_Cnt_M_lgc TrqOvISta_LKAPermFault_Cnt_M_lgc TrqOvISta_LKAPermFault_Cnt_M_u08 TrqOvISta_LKAState_State_M_enum TrqOvISta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvISta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvISta_Per1_APADrvrInterventionDetected_Cnt_lgc.value tgt_TrqOvISta_Per1_APAState_State_enum.value tgt_TrqOvISta_Per1_GMOSHOscillateState_State_enum.value tgt_TrqOvISta_Per1_LKAState_State_enum.value tgt_TrqOvISta_Per1_LKAState_State_enum.value tgt_TrqOvISta_Per1_LKAState_State_enum.value tgt_TrqOvISta_Per1_PosServEnable_Cnt_lgc.value	3285.03003 -5.44645023 1 1 3 3 0.170000002 0 1 0 2 0 3 1	3285.03003 ± 1 -5.44645023 ± 0.000009 1 ± 1 1 ± 1 3 ± 1 3 0.170000002 ± 0.0009765625 0 ± 1 1 ± 1 0 2 0 3 1 ± 1	
TrqOvISta_Haptictime_Sec_M_f32 TrqOvISta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32 TrqOvISta_LKAFault_Cnt_M_Igc TrqOvISta_LKAPermFault_Cnt_M_Igc TrqOvISta_LKAPermFault_Cnt_M_u08 TrqOvISta_LKAState_State_M_enum TrqOvISta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvISta_ReadytoPulse_Cnt_M_Igc tgt_TrqOvISta_Per1_APADrvrInterventionDetected_Cnt_Igc.value tgt_TrqOvISta_Per1_APAState_State_enum.value tgt_TrqOvISta_Per1_GMOSHOscillateState_State_enum.value tgt_TrqOvISta_Per1_LKAState_State_enum.value tgt_TrqOvISta_Per1_LKAState_State_enum.value tgt_TrqOvISta_Per1_PosServEnable_Cnt_Igc.value tgt_TrqOvISta_Per1_PosServEnable_Cnt_Igc.value tgt_TrqOvISta_Per1_PosSrvoHwAngle_HwDeg_f32.value	3285.03003 -5.44645023 1 1 3 3 0.170000002 0 1 0 2 0 3 1 0.170000002	3285.03003 ± 1 -5.44645023 ± 0.000009 1 ± 1 1 ± 1 3 ± 1 3 $0.170000002 \pm 0.0009765625$ 0 ± 1 1 ± 1 0 2 0 3 1 ± 1 $0.170000002 \pm 0.0009765625$	

Test Step Call Trace				V
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

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TrigOHSB_PROSPORT MAYOR_BCTM_DOS_		l
Topological Marking Sept Lorent 1		
Topologic Johnson Common		
Tagnoting Processor Analysis (1995) A Post Acceleration City (1995) A Replaced City (1995) A Rep		
Tayloris Bestjerfelte Ont Mg	TrqOvlSta_LKAState_State_M_enum	
L_APAModelaripating Sec. 02	TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	8.89999962
APAMASION Tolkhon, 192 A. Bartiseld Image Tolkhon, 1	TrqOvlSta_ReadytoPulse_Cnt_M_lgc	0
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Transparse Tra	tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
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tgt_Rte_Inst_Ap_TrqOvISta_TrqOvISta_Pert_PosServEnable_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvISta_TrqOvISta_Pert_PosSrovHwAngle_HwDeg_f32 tgt_Rte_Inst_Ap_TrqOvISta_TrqOvISta_Pert_PosTrajEnable_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvISta_TrqOvISta_Pert_PosTrajEnable_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvISta_TrqOvISta_Pert_PosTrajEnable_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvISta_TrqOvISta_Pert_PosTrajHwAngle_HwDeg_f32 tgt_Rte_Inst_Ap_TrqOvISta_TrqOvISta_Pert_SWARTrgtAngRequest_HwDeg_f32 tgt_Rte_Inst_Ap_TrqOvISta_TrqOvISta_Pert_SWARTrgtAngRequest_HwDeg_f32 tgt_Rte_Inst_Ap_TrqOvISta_TrqOvISta_Pert_SMRTrgtAngRequest_HwDeg_f32 tgt_Rte_Inst_Ap_TrqOvISta_TrqOvISta_Pert_TrqOsCapp_MtrNm_f32 tgt_Rte_Inst_Ap_TrqOvISta_TrqOvISta_Pert_TrqOsCapp_MtrNm_f32 tgt_Rte_Inst_Ap_TrqOvISta_TrqOvISta_Pert_TrqOsCapp_MtrNm_f32 tgt_Rte_Inst_Ap_TrqOvISta_TrqOvISta_Pert_TrqOsCapp_MtrNm_f32 tgt_Ttq_OvISta_Pert_Ap_AndrecoverableFaults_Cnt_Igc_value tgt_TrqOvISta_Pert_ApARnonRecoverableFaults_Cnt_Igc_value tgt_TrqOvISta_Pert_ApARnonRecoverableFaults_Cnt_Igc_value tgt_TrqOvISta_Pert_ApARnoquest_Cnt_Igc_value tgt_TrqOvISta_Pert_ApARnoquest_Cnt_Igc_value tgt_TrqOvISta_Pert_CWFound_Cnt_Igc_value tgt_TrqOvISta_Pert_CWFound_Cnt_Igc_value tgt_TrqOvISta_Pert_CWFound_Cnt_Igc_value tgt_TrqOvISta_Pert_ESCIS_Imited_Cnt_Igc_value tgt_TrqOvISta_Pert_ESCIS_Imited_Cnt_Igc_value tgt_TrqOvISta_Pert_ESCIS_Imited_Cnt_Igc_value tgt_TrqOvISta_Pert_ESCIS_Imited_Cnt_Igc_value tgt_TrqOvISta_Pert_GMOSH_ApAMtgfanable_Cnt_Igc_value tgt_TrqOvISta_Pert_GMOSH_ESCMfgEnable_Cnt_Igc_value tgt_TrqOvISta_Pert_GMOSH_ESCMfgEnable_Cnt_Igc_value tgt_TrqOvISta_Pert_IndovISta_Pert_HwTorque_HwTw_f32_value 21.TrqOvISta_Pert_HwTorque_HwTw_f32_value 22.TrqOvISta_Pert_HwTorque_HwTw_f32_value 23.E06000009 tgt_TrqOvISta_Pert_LKAFault_Cnt_Igc_value 13.E06000009	tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvISta_TrqOvISta_Pert_PosServEnable_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvISta_TrqOvISta_Pert_PosSrovHwAngle_HwDeg_f32 tgt_Rte_Inst_Ap_TrqOvISta_TrqOvISta_Pert_PosTrajEnable_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvISta_TrqOvISta_Pert_PosTrajEnable_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvISta_TrqOvISta_Pert_PosTrajEnable_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvISta_TrqOvISta_Pert_PosTrajHwAngle_HwDeg_f32 tgt_Rte_Inst_Ap_TrqOvISta_TrqOvISta_Pert_SWARTrgtAngRequest_HwDeg_f32 tgt_Rte_Inst_Ap_TrqOvISta_TrqOvISta_Pert_SWARTrgtAngRequest_HwDeg_f32 tgt_Rte_Inst_Ap_TrqOvISta_TrqOvISta_Pert_SMRTrgtAngRequest_HwDeg_f32 tgt_Rte_Inst_Ap_TrqOvISta_TrqOvISta_Pert_TrqOsCapp_MtrNm_f32 tgt_Rte_Inst_Ap_TrqOvISta_TrqOvISta_Pert_TrqOsCapp_MtrNm_f32 tgt_Rte_Inst_Ap_TrqOvISta_TrqOvISta_Pert_TrqOsCapp_MtrNm_f32 tgt_Rte_Inst_Ap_TrqOvISta_TrqOvISta_Pert_TrqOsCapp_MtrNm_f32 tgt_Ttq_OvISta_Pert_Ap_AndrecoverableFaults_Cnt_Igc_value tgt_TrqOvISta_Pert_ApARnonRecoverableFaults_Cnt_Igc_value tgt_TrqOvISta_Pert_ApARnonRecoverableFaults_Cnt_Igc_value tgt_TrqOvISta_Pert_ApARnoquest_Cnt_Igc_value tgt_TrqOvISta_Pert_ApARnoquest_Cnt_Igc_value tgt_TrqOvISta_Pert_CWFound_Cnt_Igc_value tgt_TrqOvISta_Pert_CWFound_Cnt_Igc_value tgt_TrqOvISta_Pert_CWFound_Cnt_Igc_value tgt_TrqOvISta_Pert_ESCIS_Imited_Cnt_Igc_value tgt_TrqOvISta_Pert_ESCIS_Imited_Cnt_Igc_value tgt_TrqOvISta_Pert_ESCIS_Imited_Cnt_Igc_value tgt_TrqOvISta_Pert_ESCIS_Imited_Cnt_Igc_value tgt_TrqOvISta_Pert_GMOSH_ApAMtgfanable_Cnt_Igc_value tgt_TrqOvISta_Pert_GMOSH_ESCMfgEnable_Cnt_Igc_value tgt_TrqOvISta_Pert_GMOSH_ESCMfgEnable_Cnt_Igc_value tgt_TrqOvISta_Pert_IndovISta_Pert_HwTorque_HwTw_f32_value 21.TrqOvISta_Pert_HwTorque_HwTw_f32_value 22.TrqOvISta_Pert_HwTorque_HwTw_f32_value 23.E06000009 tgt_TrqOvISta_Pert_LKAFault_Cnt_Igc_value 13.E06000009	tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgl_Rte_Inst_Ap_TrqOvlSta_Perl_PosSrvoHwAngle_HwDeg_f32 tgl_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Perl_PosTrajEnable_Cnt_Igc tgl_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Perl_PosTrajEnable_Cnt_Igc tgl_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Perl_PosTrajHwAngle_HwDeg_f32 tgl_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Perl_PosTrajHwAngle_HwDeg_f32 tgl_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Perl_SWARTrgtAngRequest_HwDeg_f32 tgl_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Perl_ShiftLeverlsInReverse_Cnt_Igc tgl_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Perl_ShiftLeverlsInReverse_Cnt_Igc tgl_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Perl_TrqOscAmp_MirNm_f32 tgl_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Perl_TrqOscAmp_MirNm_f32 tgl_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Perl_TrqOscEnable_Cnt_Igc tgl_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Perl_TrqOscEnable_Cnt_Igc tgl_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Perl_TrqOscEnable_Cnt_Igc tgl_Rte_Inst_Ap_TrqOvlSta_Perl_APANonRecoverableFaults_Cnt_Igc.value tgl_TrqOvlSta_Perl_APARecoverableFaults_Cnt_Igc.value tgl_TrqOvlSta_Perl_APARecoverableFaults_Cnt_Igc.value tgl_TrqOvlSta_Perl_CWFound_Cnt_Igc.value tgl_TrqOvlSta_Perl_CWFound_Cnt_Igc.value tgl_TrqOvlSta_Perl_CWFound_Cnt_Igc.value tgl_TrqOvlSta_Perl_CWFound_Cnt_Igc.value tgl_TrqOvlSta_Perl_ESCFault_Cnt_Igc.value tgl_TrqOvlSta_Perl_ESCRequest_Cnt_Igc.value tgl_TrqOvlSta_Perl_ESCRequest_Cnt_Igc.value tgl_TrqOvlSta_Perl_ESCRequest_Cnt_Igc.value tgl_TrqOvlSta_Perl_ESCRequest_Cnt_Igc.value tgl_TrqOvlSta_Perl_GMOSH_APAMfgEnable_Cnt_Igc.value tgl_TrqOvlSta_Perl_GMOSH_LKAMfgEnable_Cnt_Igc.value tgl_TrqOvlSta_Perl_HvNm_f32_value tgl_TrqOvlSta_Perl_HvNm_f32_value 2.66000009 tgl_TrqOvlSta_Perl_HvNm_f32_value tgl_TrqOvlSta_Perl_HvNm_f32_value 1 tgl_TrqOvlSta_Perl_HvNm_f32_value 2.66000009 tgl_TrqOvlSta_Perl_LKAFault_Cnt_Igc.value 1		1 - 1
tg _Rte_Inst_Ap_TrqOvISta_Per1_PosTrajEnable_Cnt_Igc tg _TrqOvISta_Per1_PosTrajEnable_Cnt_Igc tg _Rte_Inst_Ap_TrqOvISta_Per1_PosTrajHwAngle_HwDeg_f32 tg _TrqOvISta_Pcr1_PosTrajHwAngle_HwDeg_f32 tg _TrqOvISta_Pcr1_PosTrajHwAngle_HwDeg_f32 tg _TrqOvISta_Pcr1_PosTrajHwAngle_HwDeg_f32 tg _TrqOvISta_Pcr1_PosTrajHwAngle_HwDeg_f32 tg _TrqOvISta_Pcr1_PosTrajHwAngle_HwDeg_f32 tg _TrqOvISta_Pcr1_PosTrajHwAngle_HwDeg_f32 tg _TrqOvISta_Pcr1_SWARTrgtAngRequest_HwDeg_f32 tg _TrqOvISta_Pcr1_SWARTrgtAngRequest_HwDeg_f32 tg _TrqOvISta_Pcr1_SWARTrgtAngRequest_HwDeg_f32 tg _TrqOvISta_Pcr1_SWARTrgtAngRequest_HwDeg_f32 tg _TrqOvISta_Pcr1_SWARTrgtAngRequest_HwDeg_f32 tg _TrqOvISta_Pcr1_SWARTrgtAngRequest_HwDeg_f32 tg _TrqOvISta_Pcr1_CVIPCOvIDTA_Crt_Igc_value 1 tg _TrqOvISta_Pcr1_CVIPCOVIDTA_Crt_Igc_value 1 tg _TrqOvISta_Pcr1_CVIPCOVIDTA_Crt_Igc_value 1 tg _TrqOvISta_Pcr1_ESCFault_Crt_Igc_value 0 tg _TrqOvISta_Pcr1_ESCFault_Crt_Igc_value 0 tg _TrqOvISta_Pcr1_ESCRequest_Crt_Igc_value 0 tg _TrqOvISta_Pcr1_ESCRequest_Crt_Igc_value 1 tg _TrqOvISta_Pcr1_ESCRequest_Crt_Igc_value 1 tg _TrqOvISta_Pcr1_GMOSH_APAMtgEnable_Crt_Igc_value 1 tg _TrqOvISta_Pcr1_GMOSH_ESCMtgEnable_Crt_Igc_value 1 tg _TrqOvISta_Pcr1_GMOSH_LKAMtgEnable_Crt_Igc_value 1 tg _TrqOvISta_Pcr1_HwTorque_HwMm_f32_value 2 6 6 6 6 6 6 6 6 6		
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tgt_Rte_Inst_Ap_TrqOvISta_Per1_SWARTgtAngRequest_HwDeg_f32 tgt_Rte_Inst_Ap_TrqOvISta_TrqOvISta_Per1_SMITtLeverIsInReverse_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvISta_TrqOvISta_Per1_TrqOscAmp_MtrNm_f32 tgt_Rte_Inst_Ap_TrqOvISta_TrqOvISta_Per1_TrqOscAmp_MtrNm_f32 tgt_Rte_Inst_Ap_TrqOvISta_TrqOvISta_Per1_TrqOscEnable_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvISta_TrqOvISta_Per1_TrqOscEnable_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvISta_TrqOvISta_Per1_TrqOscEnable_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvISta_TrqOvISta_Per1_TrqOscEnable_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvISta_Per1_TrqOscEnable_Cnt_Igc tgt_TrqOvISta_Per1_APANonRecoverableFaults_Cnt_Igc.value tgt_TrqOvISta_Per1_APARecoverableFaults_Cnt_Igc.value tgt_TrqOvISta_Per1_APARecoverableFaults_Cnt_Igc.value tgt_TrqOvISta_Per1_CWFound_Cnt_Igc.value tgt_TrqOvISta_Per1_CWFound_Cnt_Igc.value tgt_TrqOvISta_Per1_CWFound_Cnt_Igc.value tgt_TrqOvISta_Per1_CWFound_Cnt_Igc.value tgt_TrqOvISta_Per1_CWFound_Cnt_Igc.value tgt_TrqOvISta_Per1_ESCFault_Cnt_Igc.value tgt_TrqOvISta_Per1_ESCFault_Cnt_Igc.value tgt_TrqOvISta_Per1_ESCFault_Cnt_Igc.value tgt_TrqOvISta_Per1_ESCRequest_Cnt_Igc.value tgt_TrqOvISta_Per1_ESCRequest_Cnt_Igc.value tgt_TrqOvISta_Per1_ESCRequest_Cnt_Igc.value tgt_TrqOvISta_Per1_GMOSH_APAMfgEnable_Cnt_Igc.value tgt_TrqOvISta_Per1_GMOSH_ESCRequest_Cnt_Igc.value tgt_TrqOvISta_Per1_GMOSH_ESCRequest_Cnt_Igc.value tgt_TrqOvISta_Per1_GMOSH_ESCRequest_Cnt_Igc.value tgt_TrqOvISta_Per1_GMOSH_ESCRequest_Cnt_Igc.value tgt_TrqOvISta_Per1_GMOSH_ESCRequest_Cnt_Igc.value tgt_TrqOvISta_Per1_GMOSH_ESCRequest_Cnt_Igc.value tgt_TrqOvISta_Per1_HwTorque_HwMm_f32_value 2.66000009 tgt_TrqOvISta_Per1_HwTorque_HwMm_f32_value 1 tgt_TrqOvISta_Per1_HwTorque_HwMm_f32_value 2.66000009		0
tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Pert_ShiftLeverlsInReverse_Cnt_igc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Pert_TrqOscAmp_MtrNm_f32 tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Pert_TrqOscEnable_Cnt_igc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Pert_TrqOscEnable_Cnt_igc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Pert_TrqOscEnable_Cnt_igc tgt_Rte_Inst_Ap_TrqOvlSta_Pert_TrqOscFreq_Hz_f32 tgt_TrqOvlSta_Pert_APANonRecoverableFaults_Cnt_igc.value tgt_TrqOvlSta_Pert_APANonRecoverableFaults_Cnt_igc.value tgt_TrqOvlSta_Pert_APARequest_Cnt_igc.value tgt_TrqOvlSta_Pert_CCWFound_Cnt_igc.value tgt_TrqOvlSta_Pert_CCWFound_Cnt_igc.value tgt_TrqOvlSta_Pert_CCWFound_Cnt_igc.value tgt_TrqOvlSta_Pert_CWFound_Cnt_igc.value tgt_TrqOvlSta_Pert_CWFound_Cnt_igc.value tgt_TrqOvlSta_Pert_CWFound_Cnt_igc.value tgt_TrqOvlSta_Pert_CWFound_Cnt_igc.value tgt_TrqOvlSta_Pert_ESCFault_Cnt_igc.value tgt_TrqOvlSta_Pert_ESCFault_Cnt_igc.value tgt_TrqOvlSta_Pert_ESCFault_Cnt_igc.value tgt_TrqOvlSta_Pert_ESCFault_Cnt_igc.value tgt_TrqOvlSta_Pert_ESCRequest_Cnt_igc.value tgt_TrqOvlSta_Pert_ESCRequest_Cnt_igc.value tgt_TrqOvlSta_Pert_GMOSH_APAMfgEnable_Cnt_igc.value tgt_TrqOvlSta_Pert_GMOSH_LKAMfgEnable_Cnt_igc.value tgt_TrqOvlSta_Pert_GMOSH_LKAMfgEnable_Cnt_igc.value tgt_TrqOvlSta_Pert_Hybriorque_HwNm_f32.value tgt_TrqOvlSta_Pert_Hybriorque_HwNm_f32.value tgt_TrqOvlSta_Pert_Hybriorque_HwNm_f32.value 1 tgt_TrqOvlSta_Pert_Hybriorque_HwNm_f32.value 1 tgt_TrqOvlSta_Pert_Hybriorque_HwNm_f32.value 1 tgt_TrqOvlSta_Pert_LKAFault_Cnt_igc.value 1 tgt_TrqOvlSta_Pert_Hybriorque_HwNm_f32.value 1 tgt_TrqOvlSta_Pert_LKAFault_Cnt_igc.value 1 tgt_TrqOvlSta_Pert_LKAFault_Cnt_igc.value 1 tgt_TrqOvlSta_Pert_LKAFault_Cnt_igc.value 1		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta.Per1_TrqOscAmp_MtrNm_f32 tgt_Rte_Inst_Ap_TrqOvlSta.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_CWFound_Cnt_lgc.value 1 tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value 1 tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value 1 tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value 1 tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value 1 tgt_TrqOvlSta_Per1_ESCRequest_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_GMOSH_LKAMfgEnable_Cnt_lgc.value 1 tgt_TrqOvlSta_Per1_HwTorque_HwMm_f32.value 2 1 tgt_TrqOvlSta_Per1_HwTorque_HwMm_f32.value 1 tgt_TrqOvlSta_Per1_HwTorque_HwMm_f32.value 2 1 tgt_TrqOvlSta_Per1_HwTorque_HwMm_f32.value 1 tgt_TrqOvlSta_Per1_HwTorque_HwMm_f32.value 2 1 tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value 1		
tgt_Rte_Inst_Ap_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta_Per1_TrqOscFreq_Hz_f32 tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value		
tgt_Rte_Inst_Ap_TrqOvlSta_Per1_TrqOscFreq_Hz_f32 tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value 1 tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value 1 tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value 1 tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value 1		
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_CCWFound_Cnt_lgc.value 384.670013 tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value 1 tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value 363.109985 tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value 0 tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value 0 tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value 1 tgt_TrqOvlSta_Per1_ESCRequest_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_HapticRequest_Cnt_lgc.value 1 tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value 1 tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value 1 tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value 1 tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value 1 tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value 1 tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value 1		
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value 2.66000009 tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value 1		
tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value 2.66000009 tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value 1		
tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc.value tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value tgt_TrqOvlSta_Per1_CWFosition_HwDeg_f32.value 363.109985 tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value 0 tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value 2.66000009 tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value 1		
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value 184.670013 tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value 1852.value 363.109985 tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value 0 tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value 0 tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value 1952.value 1952.value 1953.value 19		
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value 1 363.109985 tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value 0 0 tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value 1	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-384.670013
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_HapticRequest_Cnt_lgc.value 1 tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value 2 tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value 2 tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value 1	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESClsLimited_Cnt_lgc.value tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value 1 2.66000009 tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value 1	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	363.109985
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_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_ESCFault_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value 1 2.66000009 tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value 1	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc.value	0
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_Igc.value 1 tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_Igc.value 1 tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_Igc.value 1 tgt_TrqOvlSta_Per1_HapticRequest_Cnt_Igc.value 1 tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value 2.66000009 tgt_TrqOvlSta_Per1_LKAFault_Cnt_Igc.value 1		
tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_Igc.value tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_Igc.value tgt_TrqOvlSta_Per1_HapticRequest_Cnt_Igc.value tgt_TrqOvlSta_Per1_HapticRequest_Cnt_Igc.value tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value tgt_TrqOvlSta_Per1_LKAFault_Cnt_Igc.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_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_HwTorque_HwNm_f32.value 2.66000009 tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value 1		
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value 1		
tgt_irqOviSta_Peri_LKAInhibit_Cnt_igc.value 1		
	tgt_irqovi5ta_Per1_lkAinnibit_Cnt_igc.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_ShiftLeverlsInReverse_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				V
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 Sten 2 62 (Beneat Count = 4)	
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

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Name	Input Value		
k_LKAMinVehSpd_Kph_f32	5.25		
k_MaxHapticReqTime_Sec_f32	0.059999987		
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_Ig	tgt_TrqOvlSta_Per1_APADrvrInterventionD	etected_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableF		
tgt Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 APARecoverableFaults Cnt Igc	tgt_TrqOvlSta_Per1_APARecoverableFault		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc	<u>-</u>	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt TrgOvlSta Per1 APAState State enun	n	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc			
	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc tgt_TrqOvlSta_Per1_CCWPosition_HwDeg	f22	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32		_132	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_Igc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc	20	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f	32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_Igc	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_enun		
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_APAMfgEnal	ble_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEna	ble_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnat	ole_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lg	c	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32	2	
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_Igc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_Igc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum	1	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpe		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpe		
		· -	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_le		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_Hwl		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lg		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwE		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngReques	t_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse	_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f3	32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lg	С	
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_Igc.value	1		
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	363.140015		
tgt TrqOviSta Per1 ESCFault Cnt Igc.value	1		
	1		
tgt_TrqOvlSta_Per1_ESClsLimited_Cnt_lgc.value	0		
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.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	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_Igc.value	1		
Name	Actual Value	Expected Value	Resul
TrqOvISta_APAState_State_M_enum	0	0	IXESUI
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	•
TrgOvlSta Hapticdur Cnt M u16	684	684 ± 1	•

684

684 ± 1

TrqOvlSta_Hapticdur_Cnt_M_u16





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	~

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_TrqOvISta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvISta_APAState_State_M_enum	1
TrqOvlSta_ESCState_State_M_enum	
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_UIs_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
<pre>c_APAMaxVehSpd_Kph_f32</pre>	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	0.037000005
tgt Rte Call Ap TrqOvlSta FaultInjection SCom FltInjection Sign	-7.55000019
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_Ig	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_Igc	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_Igc	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

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TrqOvlSta_Per1



Name	Input Value		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f3	32	
tgt_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESClsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESClsLimited_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	1.	
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_APAMfgEnab	ole_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnab	ole_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnab	le_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lge	0	
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_Igc	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_MaxSecureVehicleSpe		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpee		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lg		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwD		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_Igc	tgt_TrqOvlOta_Per1_PosTrajEnable_Cnt_lge		
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlOta_Per1_PosTrajHwAngle_HwD	-	
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f3 tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32		,	
tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_Igc.value	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32		
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_UIs_f32	-4.80000019	-4.80000019 ± 0.000009	~
TrqOvlSta_LKAFault_Cnt_M_lgc	1	1 ± 1	~
TrqOvISta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	✓
TrqOvISta_LKAPermFault_Cnt_M_u08	3	3 ± 1	₩
TrqOvISta_LKAState_State_M_enum	0	0	✓
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	3.70000005	3.70000005 ± 0.0009765625	~
TrqOvISta_ReadytoPulse_Cnt_M_lgc	1	1±1	-
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	V
tgt_TrqOvlSta_Per1_APAState_State_enum.value	2	2	V
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	3	3	~
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value			
tat TraOvISta Pert I KAState State enum value			
tgt_TrqOvlSta_Per1_LKAState_State_enum.value tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	0	0 1±1	~

3.70000005

tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value

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			V	
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	~

lame	Input Value
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_Uls_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvISta	tgt_Rte_Inst_Ap_TrqOvlSta
rqOvlSta_APAState_State_M_enum	2
rqOvlSta_ESCState_State_M_enum	1
rqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	1952499
rqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	84736.2422
rqOvlSta_ElapsedStandstillTime_Sec_M_f32	378600
rqOvlSta_HapticState_State_M_enum	1
rqOvlSta_Hapticdur_Cnt_M_u16	33000
rqOvlSta_Haptictime_Sec_M_f32	204770
rqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-4.80000019
rqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.441000015
rqOvlSta_LKAFault_Cnt_M_lgc	1
rqOvlSta_LKAPermFault_Cnt_M_lgc	0
rqOvlSta_LKAPermFault_Cnt_M_u08	3
rqOvlSta_LKAState_State_M_enum	0
rqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	38.2000008
rqOvlSta_ReadytoPulse_Cnt_M_lgc	1
_APAIncludeHaptic_Cnt_lgc	0
_APAMaxHwTrqTime_Sec_f32	0.210999995
_APAMaxHwTrq_HwNm_f32	8.80000019
_APAMaxVehSpd_Kph_f32	198
_ESCMaxVehSpd_Kph_f32	164.300003
_HapticAmplitude_MtrNm_f32	0.660000026
_HapticDuration_Sec_f32	1.64999998
_HapticFreq_Hz_f32	54.9179993
_HapticReacttime_Sec_f32	1.75999999
LKAMaxVehSpd Kph f32	209
LKAMinVehSpd_Kph_f32	120.220001
MaxHapticReqTime_Sec_f32	0.150000006
SWARLimiter_HwDeg_f32	19
ShiftLevRevTime_Sec_f32	0.0370000005
StandstillThresh Kph f32	4.4000001
StandstillTime_Sec_f32	0.0370000005
gt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-7.55000019
at Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 APADrvrInterventionDetected Cnt	
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lg	
gt Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 APARecoverableFaults Cnt Igc	tgt TrqOvISta Per1 APARecoverableFaults Cnt Igc
pt Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 APARequest Cnt Igc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOviota.TrqOviota_Fet1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
gt Rte Inst Ap TrqOvISta.TrqOvISta Per1 CCWFound Cnt Igc	tgt_TrqOvIsta_Per1_CCWFound_Cnt_lgc
gt_Rte_inst_Ap_riqOviSta.riqOviSta_Peri_ccwPoulid_cnt_igc gt_Rte_inst_Ap_riqOviSta.TrqOviSta_Peri_ccwPoulid_cnt_igc	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
gt_Rte_inst_Ap_rtqOviSta.frqOviSta_Per1_CCVVPosition_Hwbeg_is2 gt_Rte_inst_Ap_rtqOviSta.TrqOviSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Fer1_CGWF0stition_nwbeg_is2
	tgt_rrqOvlSta_Per1_CWPoultd_CITLgc
pt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32 pt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	
	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_ESCIsLimited_Cnt_Igc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum

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Name	Input Value		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpe	eed_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_le	gc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_Hwl	Deg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lg	jc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwD	Deg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngReques	st_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse	_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f3	32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lg	С	
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_11q0viota_1 ci 1_11q0scAmp_withviii_132.vaide			
tgt_TrqOviota_rer1_TrqOscEnable_Cnt_lgc.value	1	1 ± 1	-

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 TrgOvlSta Per1 CP1 CheckpointReached	1	Rte Call TrgOvlSta 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_TrqOvISta	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 TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32	0 -1.6499998
TrqOvISta_HwTorqueSV_HwNm_M_Str.K_UIs_f32	0.419
TrqOvISta_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	120 00000
k_APAMaxVehSpd_Kph_f32	138.600006 12
k_ESCMaxVehSpd_Kph_f32 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 k_StandstillTime_Sec_f32	0 0.30899985
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	5
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_APADrvrInterventionDetected_Cnt_Igo	
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_Igc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32 tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt Rte Inst Ap TrqOvISta.TrqOvISta Per1 ESCIsLimited Cnt Igc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 ESCRequest Cnt Igc	tgt_TrqOvlota_rert_EscRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvISta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_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_Igc	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_Igc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_Igc	tgt_TrqOvISta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc tgt TrqOvlSta Per1_LKAState State enum
tgt Rte Inst Ap TrqOvISta.TrqOvISta Per1 MaxSecureVehicleSpeed Kph f32	tgt TrqOvIsta Per1 MaxSecureVehicleSpeed Kph f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlota_rer_maxoccureVehicleSpeed_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_ShiftLeverlsInReverse_Cnt_Igc
	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.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_TrqOscEnable_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc

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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_ESClsLimited_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	0.20000003		
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	0		
tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_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_UIs_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	0.20000003	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	0.20000003	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			

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

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Name	Input Value
TrqOvISta_LKAPermFault_Cnt_M_lgc	1
	4
	3
,	1
	0
25 25	1
	0.376666665
	3.75999999
	84.5999985
	0.282000005
- ' '	0.704999983
	3.25
	0.751999974
	89.3000031
	82.25
	0.720000029
k_SWARLimiter_HwDeg_f32	0
k_ShiftLevRevTime_Sec_f32	0.188999996
k_StandstillThresh_Kph_f32	4
k_StandstillTime_Sec_f32	0.188999996
0 , , ,	-1
	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
	tgt_TrqOvlSta_Per1_APAState_State_enum
	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_Igc tgt_TrqOvlSta_Per1_ESCRequest_Cnt_Igc
	tgt_TrqOvlSta_Per1_ESCState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
	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_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
· · · · · · - · · · · · · · ·	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc
	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
	tgt_TrqOvlSta_Per1_TrqOvsEnable_Cnt_lgc
	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
	1
	0
	1
tgt_TrqOvISta_Per1_CCWPosition_HwDeg_f32.value	-375.769989
	1
	363.26001
	0
	0
	1
	1
	1
	1
tgt_TtqOviota_FeiT_GiviOST_EtxAiviigEnable_Gttt_igc.value	
	0
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0 2.0999999
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	

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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_Igc.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 TrgOvlSta Per1 CP1 CheckpointReached	1	Rte Call TrgOvlSta Per1 CP1 CheckpointReached	1	_

Test Step 3.67 (Repeat Count = 1)	√
Name	Input Value
Rte Call Ap TrgOvlSta FaultInjection SCom FltInjection(SignalPath Uls f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte Inst Ap TrgOvlSta	tgt Rte Inst Ap TrqOvISta
TrgOvlSta APAState State M enum	1
TrgOvISta 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

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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_Igc			
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_Igc	tgt_TrqOvlSta_Per1_APANonRecoverableFa		
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_f	32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_Igc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc	-	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f3:	2	
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_ESCFault_Cnt_Igc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_Igc	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	04-4-	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnabl		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnabl		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable	e_Unt_lgc	
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_HapticRequest_Cnt_Igc	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_Igc	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	d 1/ 600	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpee		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed	- · -	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgd		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwD		
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_HwDe	-	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_0		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	4	
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 tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0		
tgt_TrqOvlSta_rer1_AFARecoverablerautis_Cit_tgc.value	0		
tgt_TrqOvlSta_rer1_AFARequest_Crit_igc.value	1		
tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-373.98999		
tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc.value	1		
tgt_frqoviSta_rei1_cwroulid_cit_fgc.value	363.290009		
	0		
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value tgt_TrqOvlSta_Per1_ESClsLimited_Cnt_lgc.value	0		
tgt_frqovista_Per1_ESGISLImited_Cnt_lgc.value tgt_TrqOviSta_Per1_ESCRequest_Cnt_lgc.value	1		
tgt_frqoviSta_Per1_ESCRequest_Crit_igc.value tgt_frqoviSta_Per1_GMOSH_APAMfgEnable_Crit_igc.value	1		
tgt_TrqOvlSta_rer1_GMOSH_AFAMigenable_Cnt_igc.value	1		
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	1		
tgt_TrqOvlSta_Per1_GMOSH_EKAMIgEnable_Cft_tgc.value tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0		
tgt_TrqOvISta_Per1_HapticRequest_Crit_igc.value tgt_TrqOvISta_Per1_HwTorque_HwNm_f32.value	2.0999999		
tgt_TrqOvlSta_rer1_HwTorque_HwNtin_I32.value	0		
tgt_TrqOvlSta_Per1_LKAFatht_Ont_lgc.value	0		
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value	1		
tgt_TrqOvlSta_Per1_ErxIncequest_Ont_igc.value 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_Igc.value	0		
		Exposted Value	Pocult
Name Trachylista ADAStata Stata Michael	Actual Value	Expected Value	Result
TrqOvlSta_APAState_State_M_enum	5	1 5	-
TrqOvlSta_ESCState_State_M_enum TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0	0 ± 1	
TrqOvISta_ElapsedAPAMaxHW1rq11me_Sec_M_132 TrqOvISta_ElapsedShiftLevRevTime_Sec_M_132	0	0 ± 1	-
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0.00200000009	0.00200000009 ± 1	_

3

5270

3

5270 ± 1

TrqOvlSta_HapticState_State_M_enum

TrqOvlSta_Hapticdur_Cnt_M_u16





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	~

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_TrqOvISta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvISta_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_UIs_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
<_APAMaxVehSpd_Kph_f32	25.2000008
k_ESCMaxVehSpd_Kph_f32	43.7000008
k_HapticAmplitude_MtrNm_f32	0.0839999989
k_HapticDuration_Sec_f32	0.20999993
k HapticFreg 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	-5.900001
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_Igc	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_Igc	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

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TrqOvlSta_Per1



Name	Input Value		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f3	32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESClsLimited_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	1	
$tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum$	tgt_TrqOvlSta_Per1_GMOSHOscillateState	_State_enum	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnab	ole_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnat	ole_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnab	le_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lg	0	
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_MaxSecureVehicleSpe		
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpee		
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_PosServEnable_Cnt_Igc	tgt_TrqOvlOta_Per1_PosServEnable_Cnt_lg		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwI		
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_PosTrajEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lg		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwD tgt_TrqOvlSta_Per1_SWARTrgtAngReques		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32 tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc	tgt_TrqOvISta_Per1_ShiftLeverIsInReverse_		
tgt_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Per1_TrqOscAmp_MtrNm_f32			
tgt_Rte_Inst_Ap_trqOviSta.TrqOviSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f3 tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgo		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvISta_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_ShiftLeverlsInReverse_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	

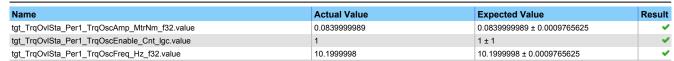
16.6000004

tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value

16.6000004 ± 0.0009765625

TrqOvlSta_Per1





Test Step Call Trace				V
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
tte_Inst_Ap_TrqOvlSta	tgt_Rte_Inst_Ap_TrqOvlSta
rqOvlSta_APAState_State_M_enum	1
rqOvlSta_ESCState_State_M_enum	0
rqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	2088351
rqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	87934.9609
rqOvlSta_ElapsedStandstillTime_Sec_M_f32	404784
rqOvlSta_HapticState_State_M_enum	1
rqOvlSta_Hapticdur_Cnt_M_u16	41000
rqOvlSta_Haptictime_Sec_M_f32	216790.344
rqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-3.4000001
rqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.485000014
rqOvlSta_LKAFault_Cnt_M_lgc	0
rqOvlSta_LKAPermFault_Cnt_M_lgc	1
rqOvlSta_LKAPermFault_Cnt_M_u08	3
rqOvlSta_LKAState_State_M_enum	2
rqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	43.7999992
rqOvlSta_ReadytoPulse_Cnt_M_lgc	1
_APAIncludeHaptic_Cnt_lgc	0
_APAMaxHwTrqTime_Sec_f32	0.254999995
_APAMaxHwTrq_HwNm_f32	9.11999989
APAMaxVehSpd_Kph_f32	205.199997
 _ESCMaxVehSpd_Kph_f32	15.6000004
HapticAmplitude MtrNm f32	0
	1.71000004
	56.973999
	1.824
LKAMaxVehSpd Kph f32	216.600006
_LKAMinVehSpd_Kph_f32	199.5
MaxHapticReqTime_Sec_f32	0.209999993
_SWARLimiter_HwDeg_f32	20.2000008
_SWARLIMICI_TWDeg_132 _ShiftLevRevTime_Sec_f32	0.0529999994
	4.55999994
_StandstillThresh_Kph_f32	
_StandstillTime_Sec_f32	0.052999994
gt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FitInjection_Sign	-6.94999981
at Rte Inst Ap TrqOvISta.TrqOvISta Per1 APADrvrInterventionDetected Cnt Ig	· - ·
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
pt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_Igc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
pt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESClsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESClsLimited_Cnt_lgc
pt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
pt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
gt_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum

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Name	Input Value		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpe	eed Kph f32	
tgt Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 MinSecureVehicleSpeed Kph f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpe		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_l		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_Hw		
tgt Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 PosTrajEnable Cnt lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lg		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwD		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32			
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f	32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lg	С	
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_ESClsLimited_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	Resul
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_TrqOscAmp_MtrNm_f32.value tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0 1	0 ± 0.0009765625 1 ± 1	

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)	Innut Value
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_TrqOvISta	tgt_Rte_Inst_Ap_TrqOvlSta
TrqOvlSta_APAState_State_M_enum	1
TrqOvlSta_ESCState_State_M_enum TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0 2088351
	87934.9609
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32 TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	404784
TrqOvISta_HapticState_State_M_enum	1
TrqOvISta_Hapticdate_State_M_entitin TrqOvISta_Hapticdur_Cnt_M_u16	41000
TrqOvlSta_Haptictime_Sec_M_f32	216790.344
TrgOvlSta HwTorqueSV HwNm M Str.SV Uls f32	-3.4000001
FrgOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.485000014
FrqOvlSta_LKAFault_Cnt_M_lgc	0
FrqOvlSta_LKAPermFault_Cnt_M_lgc	1
FrqOvISta_LKAPermFault_Cnt_M_u08	3
FrqOvISta_LKAState_State_M_enum	2
rqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	43.7999992
rqOvlSta_ReadytoPulse_Cnt_M_lgc	1
_APAIncludeHaptic_Cnt_lgc	0
_APAMaxHwTrqTime_Sec_f32	0.254999995
_APAMaxHwTrq_HwNm_f32	9.11999989
_APAMaxVehSpd_Kph_f32	205.199997
c_ESCMaxVehSpd_Kph_f32	15.6000004
_HapticAmplitude_MtrNm_f32	0
_HapticDuration_Sec_f32	1.71000004
C_HapticFreq_Hz_f32	56.973999
C_HapticReacttime_Sec_f32	1.824
x_LKAMaxVehSpd_Kph_f32	216.600006
LKAMinVehSpd_Kph_f32	199.5
:_MaxHapticReqTime_Sec_f32	0.20999993
x_SWARLimiter_HwDeg_f32	20.2000008
x_ShiftLevRevTime_Sec_f32	0.0529999994
x_StandstillThresh_Kph_f32	4.55999994
s_StandstillTime_Sec_f32	0.0529999994
gt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-6.9499981
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lg	
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_Igc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_Igc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_Igc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
gt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_CCWFound_Cnt_Igc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32 gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32 tqt TrqOvlSta Per1 CWFound Cnt lqc
gt_Rte_Inst_Ap_TrqOvIsta.TrqOvIsta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvISta_Per1_CWPosition_HwDeg_f32
gt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_ESCRequest_Cnt_Igc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
gt Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 ESCState State enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
gt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_GMOSHOscillateState_State_enum	tgt TrqOvlSta Per1 GMOSHOscillateState State enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt TrgOvlSta Per1 GMOSH APAMfgEnable Cnt Igc
gt Rte Inst Ap TrqOvISta.TrqOvISta Per1 GMOSH ESCMfgEnable Cnt Igc	tgt TrqOvlSta Per1 GMOSH ESCMfgEnable Cnt Igc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_Igc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKAState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
gt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc.value	0
gt_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_ESClsLimited_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_ShiftLeverlsInReverse_Cnt_Igc.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	0 41000	0 41000 ± 1	-
	· ·	· · · · · · · · · · · · · · · · · · ·	
TrqOvlSta_Haptictime_Sec_M_f32	41000	41000 ± 1	~
TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	41000 0	41000 ± 1 0 ± 1	•
TrqOvlSta_Hapticdur_Cnt_M_u16 TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32 TrqOvlSta_LKAFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_lgc	41000 0 -3.4000001	41000 ± 1 0 ± 1 -3.4000001 ± 0.000009	*
TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32 TrqOvlSta_LKAFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_lgc	41000 0 -3.4000001 0	41000 ± 1 0 ± 1 -3.4000001 ± 0.000009 0 ± 1	\rightarrow \right
TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32 TrqOvlSta_LKAFault_Cnt_M_lgc	41000 0 -3.4000001 0 1	41000 ± 1 0 ± 1 -3.4000001 ± 0.000009 0 ± 1 1 ± 1	~
TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32 TrqOvlSta_LKAFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_u08	41000 0 -3.4000001 0 1 3	41000 ± 1 0 ± 1 -3.4000001 ± 0.000009 0 ± 1 1 ± 1 3 ± 1	•
TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32 TrqOvlSta_LKAFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_u08 TrqOvlSta_LKAState_State_M_enum	41000 0 -3.4000001 0 1 3 3	41000 ± 1 0 ± 1 -3.4000001 ± 0.000009 0 ± 1 1 ± 1 3 ± 1 3	• • • • • • • • • • • • • • • • • • •
TrqOvISta_Haptictime_Sec_M_f32 TrqOvISta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32 TrqOvISta_LKAFault_Cnt_M_lgc TrqOvISta_LKAPermFault_Cnt_M_lgc TrqOvISta_LKAPermFault_Cnt_M_u08 TrqOvISta_LKAState_State_M_enum TrqOvISta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvISta_ReadytoPulse_Cnt_M_lgc	41000 0 -3.4000001 0 1 3 3 43.7999992	41000 ± 1 0 ± 1 -3.4000001 ± 0.000009 0 ± 1 1 ± 1 3 ± 1 3 43.7999992 ± 0.0009765625	
TrqOvISta_Haptictime_Sec_M_f32 TrqOvISta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32 TrqOvISta_LKAFault_Cnt_M_lgc TrqOvISta_LKAPermFault_Cnt_M_lgc TrqOvISta_LKAPermFault_Cnt_M_u08 TrqOvISta_LKAState_State_M_enum TrqOvISta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvISta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvISta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	41000 0 -3.4000001 0 1 3 3 43.7999992	41000 ± 1 0 ± 1 -3.4000001 ± 0.000009 0 ± 1 1 ± 1 3 ± 1 3 $43.7999992 \pm 0.0009765625$ 1 ± 1	
TrqOvISta_Haptictime_Sec_M_f32 TrqOvISta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32 TrqOvISta_LKAFault_Cnt_M_lgc TrqOvISta_LKAPermFault_Cnt_M_lgc TrqOvISta_LKAPermFault_Cnt_M_u08 TrqOvISta_LKAState_State_M_enum TrqOvISta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvISta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvISta_Per1_APADrvrInterventionDetected_Cnt_lgc.value tgt_TrqOvISta_Per1_APAState_State_enum.value	41000 0 -3.4000001 0 1 3 3 43.7999992 1	41000 ± 1 0 ± 1 -3.4000001 ± 0.000009 0 ± 1 1 ± 1 3 ± 1 3 $43.7999992 \pm 0.0009765625$ 1 ± 1 0 ± 1	
TrqOvISta_Haptictime_Sec_M_f32 TrqOvISta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32 TrqOvISta_LKAFault_Cnt_M_lgc TrqOvISta_LKAPermFault_Cnt_M_lgc TrqOvISta_LKAPermFault_Cnt_M_u08 TrqOvISta_LKAState_State_M_enum TrqOvISta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvISta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvISta_Per1_APADrvrInterventionDetected_Cnt_lgc.value tgt_TrqOvISta_Per1_APAState_State_enum.value tgt_TrqOvISta_Per1_ESCState_State_enum.value	41000 0 -3.4000001 0 1 3 3 43.7999992 1 0 2	41000 ± 1 0 ± 1 -3.4000001 ± 0.000009 0 ± 1 1 ± 1 3 ± 1 3 $43.7999992 \pm 0.0009765625$ 1 ± 1 0 ± 1 2	
TrqOvISta_Haptictime_Sec_M_f32 TrqOvISta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32 TrqOvISta_LKAFault_Cnt_M_lgc TrqOvISta_LKAPermFault_Cnt_M_lgc TrqOvISta_LKAPermFault_Cnt_M_u08 TrqOvISta_LKAState_State_M_enum TrqOvISta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvISta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvISta_Per1_APADrvrInterventionDetected_Cnt_lgc.value tgt_TrqOvISta_Per1_APAState_State_enum.value tgt_TrqOvISta_Per1_ESCState_State_enum.value tgt_TrqOvISta_Per1_GMOSHOscillateState_State_enum.value	41000 0 -3.4000001 0 1 3 3 43.7999992 1 0 2 3	41000 ± 1 0 ± 1 -3.4000001 ± 0.000009 0 ± 1 1 ± 1 3 ± 1 3 43.7999992 ± 0.0009765625 1 ± 1 0 ± 1 2	
TrqOvISta_Haptictime_Sec_M_f32 TrqOvISta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32 TrqOvISta_LKAFault_Cnt_M_lgc TrqOvISta_LKAPermFault_Cnt_M_u08 TrqOvISta_LKAPermFault_Cnt_M_u08 TrqOvISta_LKAState_State_M_enum TrqOvISta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvISta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvISta_Per1_APADrvrInterventionDetected_Cnt_lgc.value tgt_TrqOvISta_Per1_APAState_State_enum.value tgt_TrqOvISta_Per1_ESCState_State_enum.value tgt_TrqOvISta_Per1_GMOSHOscillateState_State_enum.value tgt_TrqOvISta_Per1_LKAState_State_enum.value	41000 0 -3.4000001 0 1 3 3 43.7999992 1 0 2 3 0	41000 ± 1 0 ± 1 -3.4000001 ± 0.000009 0 ± 1 1 ± 1 3 ± 1 3 $43.7999992 \pm 0.0009765625$ 1 ± 1 0 ± 1 2 3 0	
TrqOvISta_Haptictime_Sec_M_f32 TrqOvISta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32 TrqOvISta_LKAFault_Cnt_M_lgc TrqOvISta_LKAPermFault_Cnt_M_lgc TrqOvISta_LKAPermFault_Cnt_M_u08 TrqOvISta_LKAState_State_M_enum TrqOvISta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvISta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvISta_Per1_APADrvrInterventionDetected_Cnt_lgc.value tgt_TrqOvISta_Per1_APAState_State_enum.value tgt_TrqOvISta_Per1_GMOSHOscillateState_State_enum.value tgt_TrqOvISta_Per1_LKAState_State_enum.value tgt_TrqOvISta_Per1_LKAState_State_enum.value tgt_TrqOvISta_Per1_LKAState_State_enum.value tgt_TrqOvISta_Per1_LKAState_State_enum.value tgt_TrqOvISta_Per1_PosServEnable_Cnt_lgc.value	41000 0 -3.4000001 0 1 3 3 43.7999992 1 0 2 3 0 3	41000 ± 1 0 ± 1 -3.4000001 ± 0.000009 0 ± 1 1 ± 1 3 ± 1 3 43.7999992 ± 0.0009765625 1 ± 1 0 ± 1 2 3 0	
TrqOvISta_Haptictime_Sec_M_f32 TrqOvISta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32 TrqOvISta_LKAFault_Cnt_M_lgc TrqOvISta_LKAPermFault_Cnt_M_lgc TrqOvISta_LKAPermFault_Cnt_M_u08 TrqOvISta_LKAState_State_M_enum TrqOvISta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvISta_ReadytoPulse_Cnt_M_lgc tgt_TrqOvISta_Per1_APADrvrInterventionDetected_Cnt_lgc.value tgt_TrqOvISta_Per1_APAState_State_enum.value tgt_TrqOvISta_Per1_ESCState_State_enum.value tgt_TrqOvISta_Per1_GMOSHOscillateState_State_enum.value tgt_TrqOvISta_Per1_LKAState_State_enum.value tgt_TrqOvISta_Per1_LKAState_State_enum.value tgt_TrqOvISta_Per1_PosServEnable_Cnt_lgc.value tgt_TrqOvISta_Per1_PosSrvoHwAngle_HwDeg_f32.value	41000 0 -3.4000001 0 1 3 3 43.7999992 1 0 2 3 0 3	41000 ± 1 0 ± 1 -3.4000001 ± 0.000009 0 ± 1 1 ± 1 3 ± 1 3 43.7999992 ± 0.0009765625 1 ± 1 0 ± 1 2 3 0 3	
TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32 TrqOvlSta_LKAFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_lgc TrqOvlSta_LKAPermFault_Cnt_M_u08 TrqOvlSta_LKAState_State_M_enum TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	41000 0 -3.4000001 0 1 3 3 43.7999992 1 0 2 3 0 3 0 43.7999992	41000 ± 1 0 ± 1 -3.4000001 ± 0.000009 0 ± 1 1 ± 1 3 ± 1 3 $43.7999992 \pm 0.0009765625$ 1 ± 1 0 ± 1 2 3 0 3 0 ± 1 $43.7999992 \pm 0.0009765625$	

Test Step Call Trace				V
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
TrqOvISta_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

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Name	Input Value
TrqOvlSta_LKAPermFault_Cnt_M_lgc	1
TrqOvISta_LKAPermFault_Cnt_M_u08	3
TrqOvlSta_LKAState_State_M_enum	2 42 7000002
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32 TrqOvlSta_ReadytoPulse_Cnt_M_lgc	43.7999992
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_LKAMiavVehSpd_Kph_f32	216.600006 199.5
k_LKAMinVehSpd_Kph_f32 k_MaxHapticReqTime_Sec_f32	0.20999993
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
$tgt_Rte_Inst_Ap_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgcaps and the properties of the prop$	tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_Igc	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_TrqOvISta_Per1_APAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_Igc	tgt_TrqOvISta_Per1_CCWFound_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32 tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32 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_Igc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_ESCIsLimited_Cnt_Igc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_Igc	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_TrqOvISta.TrqOvISta_Per1_GMOSH_LKAMfgEnable_Cnt_Igc	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_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_Igc	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32 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_TrqOviSta_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_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32 tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc
tgt_Rte_inst_Ap_trqOviSta.trqOviSta_Peri_StilltLevenstillReverse_Cit_igc tgt_Rte_inst_Ap_trqOviSta.TrqOviSta_Peri_TrqOscAmp_MtrNm_f32	tgt_frqovista_peri_Stiffteveristrikeverse_Grit_igc
tgt_Rte_Inst_Ap_TrqOviSta.TrqOviSta_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_TrqOvISta_Per1_ESCIsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvISta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvISta_Per1_GMOSH_LKAMfgEnable_Cnt_Igc.value	1
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	0
	-6.0999999
tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc.value	





Name	Input Value		
tgt TrgOvlSta Per1 LKARequest Cnt Igc.value	1		
tgt TrgOvlSta Per1 MaxSecureVehicleSpeed Kph f32.value	0.600000024		
tgt TrgOvlSta Per1 MinSecureVehicleSpeed Kph f32.value	82.4000015		
tgt TrqOvlSta Per1 PosTrajEnable Cnt Igc.value	1		
tgt TrgOvlSta Per1 PosTrajHwAngle HwDeg f32.value	0.150000006		
tgt TrqOvlSta Per1 SWARTrgtAngRequest HwDeg f32.value	10.1000004		
tgt TrqOvlSta Per1 ShiftLeverlsInReverse Cnt Igc.value	0		
Name	Actual Value	Expected Value	Result
TrgOvlSta APAState State M enum	1	1	_
TrgOvlSta ESCState State M enum	3	3	•
TrgOvlSta ElapsedAPAMaxHwTrgTime Sec M f32	0	0 ± 1	~
TrqOvlSta ElapsedShiftLevRevTime Sec M f32	0	0 ± 1	✓
TrgOvlSta ElapsedStandstillTime Sec M f32	404784	404784 ± 1	~
TrgOvlSta HapticState State M enum	1	1	✓
TrgOvlSta Hapticdur Cnt M u16	41000	41000 ± 1	~
TrgOvlSta Haptictime Sec M f32	0	0 ± 1	•
TrgOvlSta 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				V
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

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Name	Innut Value		
Name k_LKAMinVehSpd_Kph_f32	Input Value		
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_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_Igc	tgt_TrqOvlSta_Per1_APANonRecoverableFa	,	
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_Igc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_APAState_State_enum		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_t	f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc	102	
tgt Rte Inst Ap TrqOvISta.TrqOvISta Per1 CWPosition HwDeg f32	tgt TrgOvlSta Per1 CWPosition HwDeg f3	2	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESClsLimited_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_		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnabl		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnab		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnabl		
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_Igc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc tgt_TrqOvlSta_Per1_LKAState_State_enum		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpee	ed Koh f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpee		
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_PosServEnable_Cnt_lgc	tgt TrgOvlSta Per1 PosServEnable Cnt Ige	_ · _	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwD	eg_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_HwDe	eg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_	_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_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 tgt TrqOvlSta_Per1_APARequest Cnt_lgc.value	0		
tgt TrgOvlSta Per1 CCWFound Cnt Igc.value	1		
tgt TrgOvlSta Per1 CCWPosition HwDeg f32.value	-368.230011		
tgt TrgOvlSta Per1 CWFound Cnt Igc.value	1		
tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32.value	361.01001		
tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc.value	0		
tgt_TrqOvlSta_Per1_ESClsLimited_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_TrqOvISta_Per1_HwTorque_HwNm_f32.value	8.10000038		
tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value	1		
tgt_TrqOvISta_Per1_LKAInhibit_Cnt_lgc.value	0		
tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc.value tgt_TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32.value	0		
tgt_TrqOvISta_Per1_MiaxSecureVerlicleSpeed_Kph_f32.value	1		
tgt_TrqOvISta_Per1_PosTrajEnable_Cnt_Igc.value	1		
tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32.value	0.20000003		
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	0		
tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc.value	1		
		Expected Value	Populé
Name	Actual Value	Expected value	Result
Name TrqOvlSta_APAState_State_M_enum	Actual Value	1	Kesuit 🗸
		•	v v
TrqOvlSta_APAState_State_M_enum	1	1	· ·
TrqOvlSta_APAState_State_M_enum TrqOvlSta_ESCState_State_M_enum TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	1 2 0.00200000009 0.00200000009	1 2 0.002000000009 ± 1 0.00200000009 ± 1	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
TrqOvlSta_APAState_State_M_enum TrqOvlSta_ESCState_State_M_enum TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32 TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	1 2 0.00200000009 0.00200000009 0	1 2 0.00200000009 ± 1 0.00200000009 ± 1 0 ± 1	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
TrqOvlSta_APAState_State_M_enum TrqOvlSta_ESCState_State_M_enum TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32 TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	1 2 0.00200000009 0.00200000009	1 2 0.002000000009 ± 1 0.00200000009 ± 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	~

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 TrqOvIsta	tgt Rte Inst Ap TrqOvlSta
FrgOvISta_APAState_State_M_enum	1
FrqOvISta_ESCState_State_M_enum	1
TrqOvISta_E305tate_state_iv_endin TrqOvISta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0
TrgOvlSta ElapsedShiftLevRevTime Sec M f32	0
FrgOvlSta ElapsedStandstillTime Sec M f32	0
TrgOvISta HapticState State M enum	0
FrqOvISta_Hapticdate_State_M_endin	44450
FrgOvISta Haptictime Sec M f32	0
TrqOvISta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32	-1.64999998
TrgOvISta HwTorqueSV HwNm M Str.K Uls f32	0.419
TrqOviSta_mwTorqueSv_mwiviii_ivi_Sti.k_Ois_i32 TrqOviSta_LKAFault_Cnt_M_lgc	0.419
TrgOvISta_EKAPatit_Crit_M_igc TrgOvISta_EKAPermFault_Crit_M_igc	0
FrqOvISta_LKAPermFault_Cnt_M_u08	1
FrqOvISta_LKAState_State_M_enum	0
TrgOvISta PosSrvoHwAngle HwDeg M f32	1.3999998
TrqOvlSta ReadytoPulse Cnt M lgc	1
APAIncludeHaptic Cnt lgc	1
APAMaxHwTrgTime Sec f32	0.601666689
APAMaxHwTrg HwNm f32	0
APAMaxVehSpd Kph f32	138.600006
<pre>C_AP AWAXVenSpd_Kph_f32</pre> <pre>C_ESCMaxVehSpd_Kph_f32</pre>	12
K_ESCWaxvenspu_Kpii_is2	0.462000012
C_napricAmplitude_within_isz	1.15499997
ChapticBulation_Sec_132 ChapticFreq Hz f32	32.3019981
K_napticFreq_nz_i52 K HapticReacttime Sec f32	1.23199999
C_napiticReactiffine_Sec_132 C_KAMaxVehSpd_Kph_f32	146.300003
C_CKAMinVehSpd_Kph_f32	100
C_CKAWIIIVeriSpd_Kpii_i32 K MaxHapticReqTime Sec f32	0.600000024
C_MaxhaptickeqTime_Sec_i32	30
C_SWARLINITIEI_HWDeg_132	0.308999985
<pre>C_StandstillThresh_Kph_f32</pre>	0.300999903
C_StandstillTime Sec f32	0
gt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	5
gt_Rte_call_Ap_11q0vlSta_raditilijection_3cont_ritilijection_3ign gt_Rte_Inst_Ap_Trq0vlSta.Trq0vlSta_Per1_APADrvrInterventionDetected_Cnt_lc	
gt_Rte_inst_Ap_11q0vista.11q0vista_Fe11_APADIVIIIte1ve1titionDetected_Cit[_cit gt_Rte_inst_Ap_11q0vista.11q0vista_Per1_APANonRecoverableFaults_Cnt_lgc	
gt_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Fet1_APANotiRecoverableFaults_Cnt_lgc gt_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
gt_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Fet1_APARecoverableFaults_Cnt_lgc gt_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverable=aults_Crit_lgc
gt_Rte_inst_Ap_TrqOviSta.TrqOviSta_Per1_APARequest_Cnt_igc gt_Rte_inst_Ap_TrqOviSta.TrqOviSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APARequest_Crit_igc tgt_TrqOvlSta_Per1_APAState_State_enum
gt_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvIsta.TrqOvIsta_Fet1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
gt_Rte_inst_Ap_11q0vista.11q0vista_rei1_00vvrosition_nwbeg_is2 gt_Rte_inst_Ap_11q0vista.11q0vista_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCVPOsition_nwbeg_isz

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Name	Input Value		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f	32	
tgt Rte Inst Ap TrqOvISta.TrqOvISta Per1 ESCFault Cnt Igc	tgt TrqOvlSta Per1 ESCFault Cnt Igc		
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_enum			
	tgt_TrqOvlSta_Per1_GMOSHOscillateState		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnat		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnal		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnab		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lg		
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	l	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpe	ed_Kph_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpee	ed_Kph_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lg	ic .	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwI		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lg		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwD		
	tgt_TrqOvISta_Per1_F0sTrajHwAligie_Hwb		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32			
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f3		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgd		
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		
	1		
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value			
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	rtoouit
	2	2	-
TrqOvlSta_ESCState_State_M_enum TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0.00200000009		
		0.00200000009 ± 1	-
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0.00200000009	0.002000000009 ± 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	-
	1	1	
tgt_TrqOvlSta_Per1_APAState_State_enum.value			
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	2	2	V
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	~
tgt_TrqOvlSta_Per1_LKAState_State_enum.value			
	0	0	Y
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value	1	1±1	~
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value			





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 TrgOvlSta Per1 TrgOscFreg Hz f32.value	32.3019981	32.3019981 ± 0.0009765625	•

Test Step Call Trace			V	
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)	Innuit Value
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
FrqOvISta_APAState_State_M_enum	1
FrqOvlSta_ESCState_State_M_enum	1
FrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0
FrqOvISta_ElapsedStandstillTime_Sec_M_f32	0
FrqOvlSta_HapticState_State_M_enum	0
FrqOvlSta_Hapticdur_Cnt_M_u16	44450
FrqOvlSta_Haptictime_Sec_M_f32	0
FrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-1.64999998
FrqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.419
FrqOvlSta_LKAFault_Cnt_M_lgc	0
FrqOvISta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	1
FrqOvlSta_LKAState_State_M_enum	0
FrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	1.3999998
FrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
<pre>c_APAIncludeHaptic_Cnt_lgc</pre>	1
APAMaxHwTrgTime Sec f32	0.601666689
x_APAMaxHwTrq_HwNm_f32	0
APAMaxVehSpd Kph f32	138.600006
<pre>c_n = n make on open in the control of the con</pre>	12
K HapticAmplitude MtrNm f32	0.462000012
C_HapticDuration_Sec_f32	1.15499997
C_HapticFreq_Hz_f32	32.3019981
K_napticFreq_nz_isz	1.23199999
C_LKAMaxVehSpd_Kph_f32	146.300003
K_LKAMinVehSpd_Kph_f32 MarkInstitute Section 2	100
<pre> «_MaxHapticReqTime_Sec_f32 </pre>	0.600000024
x_SWARLimiter_HwDeg_f32	30
S_ShiftLevRevTime_Sec_f32	0.308999985
x_StandstillThresh_Kph_f32	0
c_StandstillTime_Sec_f32	0
gt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	5
gt Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 APADrvrInterventionDetected Cnt Igo	· - ·
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESClsLimited_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_state_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOviSta_Per1_GMOSH_APAMfgEnable_Cnt_Igc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt TrgOviSta Per1 GMOSH ESCMfgEnable Cnt Igc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_HapticRequest_Cnt_lgc	tgt TrqOvlSta Per1 HapticRequest Cnt Igc
gt_Rte_Inst_Ap_TrqOvIsta.TrqOvIsta_Per1_HwTorque_HwNm_f32	tgt TrqOvISta Per1 HwTorque HwNm f32
gt_Rte_Inst_Ap_TrqOvIsta.TrqOvIsta_Per1_LKAFault_Cnt_Igc	tgt_TrqOvISta_Per1_LKAFault_Cnt_lgc
gt_Rte_inst_Ap_TrqOviSta.TrqOviSta_Per1_LKAInhibit_Cnt_lgc	tgt_TrqOvIsta_Per1_LKAInhibit_Cnt_lgc
gt_Rte_inst_Ap_TrqOviSta.TrqOviSta_Per1_LKARequest_Cnt_lgc gt_Rte_inst_Ap_TrqOviSta.TrqOviSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvISta_Per1_LKARequest_Cnt_lgc
gr_nro_mar_ap_ nqoviora. nqoviora_r el 1_tnanequear_ont_igo	rgi_riqoviota_rei i_triAricequesi_oni_igo





Name	Input Value		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpe	ed Kph f32	
tgt Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 MinSecureVehicleSpeed Kph f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpee		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lg	- · -	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwD		
tgt Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 PosTrajEnable Cnt Igc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lge		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt TrqOvlSta Per1 PosTrajHwAngle HwD		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest	-	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f3		
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 Igc.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 Igc.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 Igc.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		
	Actual Value	Expected Value	Popult
Name Tracovicte ADAState State M. anum		Expected Value	Result
TrqOvlSta_APAState_State_M_enum	1 2	1 2	-
TrqOvlSta_ESCState_State_M_enum		0.00200000009 ± 1	
TrqOvISta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0.00200000009	0.00200000009 ± 1	-
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	0.00200000009		
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0	0 ± 1 0	-
TrqOvlSta_HapticState_State_M_enum		*	
TrqOvISta_Hapticdur_Cnt_M_u16	44450	44450 ± 1	· ·
TrqOvlSta_Haptictime_Sec_M_f32	0	0 ± 1	Ž
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32	2.43524981	2.43525004 ± 0.000009	-
TrqOvISta_LKAFault_Cnt_M_lgc	1	1±1	Y
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	V
TrqOvISta_LKAPermFault_Cnt_M_u08	2	2±1	
TrqOvlSta_LKAState_State_M_enum	0	0	V
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	0.200000003	0.200000003 ± 0.0009765625	V
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1	1±1	V
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1	V
tgt_TrqOvlSta_Per1_APAState_State_enum.value	1	1	V
tgt_TrqOvlSta_Per1_ESCState_State_enum.value	2	2	V
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	0	0	Y
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	V
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.462000012	0.462000012 ± 0.0009765625	•
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	V
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	32.3019981	32.3019981 ± 0.0009765625	

Test Step Call Trace				V
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)	Input Value
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 TrqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	0
TrgOvlSta ElapsedShiftLevRevTime Sec M f32	1
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	0
TrqOvlSta_HapticState_State_M_enum	0
TrqOvlSta_Hapticdur_Cnt_M_u16	44450
TrqOvISta Haptictime Sec M f32	0
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_UIs_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 100
k_LKAMinVehSpd_Kph_f32 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_Igu	
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_ESClsLimited_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_TrqOvISta.TrqOvISta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_Igc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_HwTorque_HwNm_f32	tgt_TrqOvISta_Per1_HwTorque_HwNm_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAFault_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_Igc	tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc tgt TrqOvlSta Per1 LKAInhibit Cnt lgc
tgt_Rte_inst_Ap_rrq0viSta.rrq0viSta_Per1_LKAInnibit_Cnt_igc tgt_Rte_inst_Ap_Trq0viSta.Trq0viSta_Per1_LKARequest_Cnt_igc	tgt_IrqOvista_Peri_LKAInnibit_Cnt_igc tgt_TrqOviSta_Peri_LKARequest_Cnt_igc
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_PerT_LKARequest_Cnt_gc tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_PerT_LKAState_State_enum	tgt_TrqOvIsta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvIsta.TrqOvIsta_Per1_LKAState_state_enum tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt TrqOvISta Per1 MaxSecureVehicleSpeed Kph f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvISta_Per1_MinSecureVehicleSpeed_Kph_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvIsta_Per1_PosServEnable_Cnt_Igc
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_Igc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvISta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_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
	0

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			-1000
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_ESClsLimited_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	0.20000003	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	V
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	32.3019981	32.3019981 ± 0.0009765625	~

Test Step Call Trace			V	
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	

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Name	Input Value
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	2
TrqOvISta_LKAState_State_M_enum TrqOvISta_PosSproHwApple_HwDog_M_f32	3 29.7999992
TrqOvlSta_PosSrvoHwAngle_HwDeg_M_f32 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_HapticPegattime_Sec_f22	51.8339996 1.23199999
k_HapticReacttime_Sec_f32 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_FitInjection_Sign	3.54999995
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_APADrvrInterventionDetected_Cnt_Igc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_Igc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Per1_APARecoverable=aulis_Crit_igc tgt_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Per1_APARequest_Cnt_igc	tgt_TrqOvlSta_Per1_APARecoverableraulis_Cfit_igc
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_Igc	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_Igc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCIsLimited_Cnt_Igc	tgt_TrqOvISta_Per1_ESCIsLimited_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_Igc 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_TrqOvISta_Per1_LKAFault_Cnt_Igc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_Igc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_Igc	tgt_TrqOvlSta_Per1_LKAInhibit_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_TrqOviSta.TrqOviSta_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_Igc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32 tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32
tgt_Rte_inst_Ap_frqOviSta.frqOviSta_Peri_SwaRfrgtangRequest_nwDeg_f32 tgt_Rte_inst_Ap_frqOviSta.TrqOviSta_Peri_ShiftLeverlsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32 tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOviSta.TrqOviSta_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 tgt_TrqOvlSta_Per1_CWPosition_HwDeg_132.value	1 799.659973
tgt_frqOviSta_Peri_CvvPosition_HwDeg_f32.value tgt_frqOviSta_Peri_ESCFault_Cnt_lgc.value	1
tgt_TrqOvISta_Per1_ESCIsLimited_Cnt_Igc.value	1
tgt_TrqOvISta_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
	8.10000038
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value	
tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32.value tgt_TrqOvlSta_Per1_LKAFault_Cnt_lgc.value tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0

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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_ShiftLeverlsInReverse_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	<u> </u>

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

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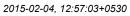


Name	Input Value		
k_LKAMinVehSpd_Kph_f32	134.75		
k_MaxHapticReqTime_Sec_f32	0.600000024		
k_SWARLimiter_HwDeg_f32	17.2000008		
k_ShiftLevRevTime_Sec_f32	0.308999985		
k_StandstillThresh_Kph_f32	3.07999992		
k_StandstillTime_Sec_f32	0.308999985		
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	3.54999995		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_Igo			
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_Igc	tgt_TrqOvlSta_Per1_APANonRecoverableFoult		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFault	s_Cnt_igc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc tgt_TrqOvlSta_Per1_APAState_State_enun	2	
tgt Rte Inst Ap TrqOvISta.TrqOvISta Per1 CCWFound Cnt Igc	tgt_TrqOvISta_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	_102	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvISta_Per1_CWPosition_HwDeg_f	32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc	<u></u>	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESClsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCRequest_Cnt_Igc	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		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnal		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEna		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnab		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lg		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HwTorque_HwNm_f32	tgt_TrqOvlSta_Per1_HwTorque_HwNm_f32	2	
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	ı	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpe	eed_Kph_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpe	ed_Kph_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_le	gc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_Hwl	Deg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lg	С	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwE		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngReques		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f3		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lg	С	
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 tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32.value	-1029.01001		
tgt TrqOvISta Per1 CWFound Cnt Igc.value	1		
tgt TrqOvlSta Per1 CWPosition HwDeg f32.value	799.659973		
tgt_TrqOvISta_Per1_ESCFault_Cnt_Igc.value	1		
tgt TrqOvISta Per1 ESCIsLimited Cnt Igc.value	1		
tgt_TrqOvISta_Per1_ESCRequest_Cnt_Igc.value	1		
tgt_TrqOvISta_Per1_ESGNequest_Ont_igc.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 Igc.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_ShiftLeverlsInReverse_Cnt_lgc.value	0		
Name	Actual Value	Expected Value	Resul
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_M_enum	0	0	•
TrgOvlSta Hapticdur Cnt M u16	0	0 ± 1	

0

0 ± 1

TrqOvlSta_Hapticdur_Cnt_M_u16





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	~

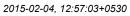
Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	~
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached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

lame	Input Value
	•
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection(SignalPath_UIs_f32)	tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign
Rte_Inst_Ap_TrqOvISta	tgt_Rte_Inst_Ap_TrqOvlSta
rqOvlSta_APAState_State_M_enum	1
rqOvlSta_ESCState_State_M_enum	0
rqOvlSta_ElapsedAPAMaxHwTrqTime_Sec_M_f32	1748721
rqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	79938.1563
rqOvlSta_ElapsedStandstillTime_Sec_M_f32	339324
rqOvlSta_HapticState_State_M_enum	1
rqOvlSta_Hapticdur_Cnt_M_u16	25475
rqOvlSta_Haptictime_Sec_M_f32	186740.953
rqOvlSta_HwTorqueSV_HwNm_M_Str.SV_Uls_f32	-1.64999998
rqOvlSta_HwTorqueSV_HwNm_M_Str.K_Uls_f32	0.419
rqOvlSta_LKAFault_Cnt_M_lgc	0
rqOvlSta_LKAPermFault_Cnt_M_lgc	0
rqOvlSta_LKAPermFault_Cnt_M_u08	2
rqOvlSta_LKAState_State_M_enum	3
rqOvlSta_PosSrvoHwAngle_HwDeg_M_f32	29.7999992
rqOvlSta_ReadytoPulse_Cnt_M_lgc	1
_APAIncludeHaptic_Cnt_lgc	1
_APAMaxHwTrqTime_Sec_f32	0.144999996
APAMaxHwTrg HwNm f32	6.15999985
APAMaxVehSpd Kph f32	138.600006
 _ESCMaxVehSpd_Kph_f32	133.699997
HapticAmplitude MtrNm f32	0.462000012
HapticDuration Sec f32	1.55999994
HapticFreq Hz f32	51.8339996
HapticReacttime Sec f32	1.23199999
: LKAMaxVehSpd Kph f32	146.300003
LKAMinVehSpd Kph f32	134.75
: MaxHapticRegTime Sec f32	0.600000024
SWARLimiter HwDeg f32	17.2000008
ShiftLevRevTime Sec f32	0.30899985
	3.07999992
_StandstillThresh_Kph_f32	
StandstillTime_Sec_f32	0.308999985
gt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	3.54999995
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_Iq	
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc	1
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWFound_Cnt_lgc	tgt_TrqOvlSta_Per1_CCWFound_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32

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Name	Input Value		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f3	32	
tgt Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 ESCFault Cnt Igc	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_TrqOvISta.TrqOvISta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvISta_Per1_GMOSHOscillateState_		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc	tgt_TrqOvISta_Per1_GMOSH_APAMfgEnab		
	1		
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_GMOSH_ESCMfgEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnab		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnab		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lgd		
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_Igc	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_MaxSecureVehicleSpe	ed_Kph_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpee	ed_Kph_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lg	c	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_Hw[Deg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lge	2	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwD		
tgt Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 SWARTrgtAngRequest HwDeg f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_		
tgt Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 TrqOscAmp MtrNm f32	tgt_TrqOvISta_Per1_StittLeveristitt\(\text{Certs}\) tgt TrqOvISta Per1 TrqOscAmp MtrNm f3		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_TrqOscErea Hz_f32		
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_ESClsLimited_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 Igc.value	1		
tgt TrqOvlSta Per1 PosTrajHwAngle HwDeg f32.value	0.150000006		
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	-5.9000001		
tgt TrqOvlSta Per1 ShiftLeverlsInReverse Cnt Igc.value	1		
Name	Actual Value	Expected Value	Result
	1	· ·	Result
TrqOvlSta_APAState_State_M_enum		1	
TrqOvlSta_ESCState_State_M_enum	3	3	V
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	
	0	0	
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	3	3	
tgt_TrqOvlSta_Per1_LKAState_State_enum.value	1	1 ± 1	
tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value			
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value	0.150000006	0.150000006 ± 0.0009765625	V





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				V
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)	I W I W I
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
TrqOvISta_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
TrqOvISta_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	0.60000024
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_caii_Ap_rrqovista_raditinjection_3coni_ritinjection_sign tgt_Rte_Inst_Ap_TrqOvIsta.TrqOvISta_Per1_APADrvrInterventionDetected_Cnt_Igo	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_Igc	tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARecoverableFaults_Cnt_Igc	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_Igc	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_Igc	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_Igc	tgt_TrqOvlSta_Per1_ESCFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESClsLimited_Cnt_lgc	tgt_TrqOvlSta_Per1_ESClsLimited_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_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

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Name	Input Value		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpe	ed Kph f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MinSecureVehicleSpe		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosServEnable_Cnt_l	gc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_Hwl	Deg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lg	С	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwD	leg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngReques	t_HwDeg_f32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc	tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse	_Cnt_lgc	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f3	32	
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lg		
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_ESClsLimited_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	Resul
TrqOvISta_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	•
TrqOvISta_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	•
TrqOvISta_LKAPermFault_Cnt_M_lgc	0	0 ± 1	,
TrqOvISta_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				V
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 TrgOvlSta 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 228811.703
TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32	-2.70000005
TrqOvISta_HwTorqueSV_HwNm_M_Str.K_UIs_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 k_APAMaxVehSpd_Kph_f32	9.27999973 208.800003
k_ESCMaxVehSpd_Kph_f32	30.399996
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 k_StandstillTime_Sec_f32	4.63999987 0
tgt_Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection_Sign	-6.3499999
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_Igo	
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_Igc	tgt_TrqOvlSta_Per1_CWFound_Cnt_lgc tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f32
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32 tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCFault_Cnt_lgc	tgt_TrqOvIsta_Per1_ESCFault_Cnt_lgc
tgt Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 ESCIsLimited Cnt Igc	tgt_TrqOvISta_Per1_ESCIsLimited_Cnt_Igc
tgt Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 ESCRequest Cnt Igc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_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_Igc	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_Igc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInhibit_Cnt_Igc	tgt_TrqOvISta_Per1_LKAFault_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAInnibit_Cnt_lgc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc
tgt Rte Inst Ap TrqOvISta.TrqOvISta Per1 LKAState State enum	tgt TrgOvlSta 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_ShiftLeverlsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc
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_Igc tgt_Rte_Inst_Ap_TrqOvlSta_TrqOvlSta_Per1_TrqOscEreq_Hz_f32	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscFreq_Hz_f32 tgt_TrqOvlSta_Per1_APANonRecoverableFaults_Cnt_Igc.value	tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32
-gg = o.ta o.tg	
tgt_TrqOvlSta_Per1_APARecoverableFaults_Cnt_lgc.value	0

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			-1000
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_ESClsLimited_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	0.18999998	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	V
tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.460000008	0.460000008 ± 0.0009765625	V
tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0	0 ± 1	Y
tgt_TrqOvlSta_Per1_TrqOscFreq_Hz_f32.value	59.0299988	59.0299988 ± 0.0009765625	~

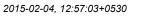
Test Step Call Trace				V
Actual Function	Count	Expected Function	Count	Result
Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	Rte_Call_TrqOvlSta_Per1_CP0_CheckpointReached	1	~
Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	Rte_Call_Ap_TrqOvlSta_FaultInjection_SCom_FltInjection	1	•
Rte_Call_TrqOvlSta_Per1_CP1_CheckpointReached	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

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Name	Input Value
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrqOvlSta_LKAPermFault_Cnt_M_u08	2
TrqOvISta_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_ESClsLimited_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_Igc	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_Igc	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 Igc	tgt TrgOvlSta 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_Igc	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_TrqOvISta_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_ESClsLimited_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc.value	1
tgt_TrqOvISta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc.value	1
tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc.value	
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_ShiftLeverlsInReverse_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 Sten 2.02 (Beneat Count = 4)	a control of the cont
Test Step 3.82 (Repeat Count = 1)	<u> </u>
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

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TrqOvlSta_Per1



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_FitInjection_Sign tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_Igc	-6.3499999 tgt_TrqOvlSta_Per1_APADrvrInterventionDe	tected Cnt Igo		
tgt_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Per1_APANonRecoverableFaults_Cnt_lgc	tgt_TrqOvlSta_Per1_APANonRecoverableFa			
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_APARecoverableFaults_Cnt_Igc	tgt_TrqOvISta_Per1_APARecoverableFaults			
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APARequest_Cnt_Igc	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_f3	2		
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_Igc tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc tgt_TrqOvlSta_Per1_ESCState_State_enum			
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSHOscillateState_State_enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState_			
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnab			
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_Igc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnab			
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnabl			
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_Igc	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	1.17.1.700		
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpee			
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MinSecureVehicleSpeed_Kph_f32 tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosServEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_MinSecureVehicleSpee tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lg			
tgt_Rte_Inst_Ap_TrqOviSta.TrqOviSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwD			
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_HwDe			
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest			
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_Igc	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 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_ESClsLimited_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 tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc.value	0			
tgt_irqUviSta_Per1_LKAInnibit_Cnt_igc.value tgt_TrqOviSta_Per1_LKARequest_Cnt_igc.value	0			
tgt_frqOvlSta_Per1_txARequest_Cfit_igc.value tgt_frqOvlSta_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	0.18999998			
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	16.5			
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_Igc.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	V	
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	430968	430968 ± 1	~	
TrqOvlSta_HapticState_State_M_enum	0	0	•	

0

0 ± 1

TrqOvlSta_Hapticdur_Cnt_M_u16





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				V
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	~

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 TrqOvIsta	tgt_Rte_caii_Ap_rtqOviSta_r autinjection_Scotti_r titrjection_Sign
TrqOvlSta_APAState_State_M_enum	1
TrgOvISta ESCState State M enum	4
TrgOvlSta ElapsedAPAMaxHwTrgTime Sec M f32	2224203
TrqOvlSta_ElapsedShiftLevRevTime_Sec_M_f32	91133.6797
TrqOvlSta_ElapsedStandstillTime_Sec_M_f32	430968
TrqOvISta_HapticState_State_M_enum	2
TrgOvISta Hapticdur Cnt M u16	0
TrgOvlSta Haptictime Sec M f32	228811.703
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32	-2.7000005
TrgOvlSta HwTorqueSV HwNm M Str.K Uls f32	0.507000029
TrgOvlSta_HwTorqueSv_HwMII_M_Sti.K_Ots_t52 TrgOvlSta_LKAFault_Cnt_M_lgc	0.507000029
TrqOvlSta_LKAPermFault_Cnt_M_lgc	0
TrgOvISta_EKAPermFault_Cnt_M_igc	2
TrgOvISta_EKAr ettili aut_Git_w_uoo	2
TrgOvlSta PosSrvoHwAngle HwDeg M f32	49.4000015
TrqOvlSta ReadytoPulse Cnt M lgc	0
<_APAIncludeHaptic_Cnt_lgc	1
APAMaxHwTrqTime Sec f32	0.298999995
APAMaxHwTrg HwNm f32	9.27999973
<_APAMaxNw11q_nw1111_132 <_APAMaxVehSpd_Kph_f32	208.800003
CSCMaxVehSpd Kph f32	30.399996
K HapticAmplitude MtrNm f32	0.46000008
K_HapticDuration_Sec_f32	1.74000001
K_HapticDuration_Sec_132 K_HapticFreq_Hz_f32	59.0299988
K HapticReacttime Sec f32	1.85599995
CHAPITICREACTIONE_Sec_132 K LKAMaxVehSpd Kph f32	20
CLKAMinVehSpd Kph f32	203
K_LKAMIIIVenspd_Kpii_i32 K MaxHapticReqTime Sec f32	0.239999995
k_Maxhaptickeq1fine_Sec_is2 k_SWARLimiter_HwDeg_f32	21.3999996
ShiftLevRevTime Sec f32	0.0610000007
<pre><_StandstillThresh_Kph_f32</pre>	4.63999987
C_StandstillTime Sec f32	4.0399907
gt Rte Call Ap TrqOvlSta FaultInjection SCom FltInjection Sign	-6.3499999
gt_Rte_Call_Ap_TrqOvISta_Fauitifijection_3Cont_Fittifijection_3igf1 igt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_APADrvrInterventionDetected_Cnt_t	
gt_Rte_Inst_Ap_TrqOvIsta.TrqOvIsta_Per1_APADIVIIIItelVentitoIIDetected_Off_it gt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_APANonRecoverableFaults_Cnt_Igc	
gt_Rte_inst_Ap_inqovista.inqovista_reii_ArAndiiRecoverableraulis_ciit_igc igt_Rte_inst_Ap_inqovista.TrqOviSta_Per1_APARecoverableFaults_Ciit_igc	tgt_TrqOvlSta_Fer1_AFANoliRecoverableFaults_Crit_igc
gt_Rte_Inst_Ap_TrqOvIsta.TrqOvIsta_Per1_APARecoverable=aulis_Cnt_lgc gt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_APARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_APARecoverable=aults_Ont_lgc tgt_TrqOvlSta_Per1_APARequest_Cnt_lgc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_APAState_State_enum	tgt_TrqOvlSta_Per1_APAState_State_enum
ggt Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 CCWFound Cnt Igc	tgt TrqOvISta Per1 CCWFound Cnt Igc
gt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CCWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CCWPosition_HwDeg_f32
gt Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 CWFound Cnt Igc	tgt_TrqOviSta_rer_cown osition_rwbeg_isz

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TrqOvlSta_Per1



Name	Input Value				
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_CWPosition_HwDeg_f32	tgt_TrqOvlSta_Per1_CWPosition_HwDeg_f	32			
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_Igc	tgt_TrqOvlSta_Per1_ESCIsLimited_Cnt_lgc				
tgt Rte Inst Ap TrgOvlSta.TrgOvlSta Per1 ESCRequest Cnt Igc	tgt_TrqOvlSta_Per1_ESCRequest_Cnt_lgc				
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ESCState_State_enum	tgt_TrqOvlSta_Per1_ESCState_State_enun	n			
tgt Rte Inst Ap TrqOvISta.TrqOvISta Per1 GMOSHOscillateState State enum	tgt_TrqOvlSta_Per1_GMOSHOscillateState				
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_Per1_GMOSH_APAMfgEnable_Cnt_Igc	tgt_TrqOvlOta_Perf_GMOSH_APAMfgEnal				
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_ESCMfgEnal				
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_GMOSH_LKAMfgEnab				
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_HapticRequest_Cnt_lgc	tgt_TrqOvlSta_Per1_HapticRequest_Cnt_lg	С			
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	1			
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicleSpe				
tgt_Rte_Inst_Ap_TrqOvISta.TrqOvISta_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_lg				
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosSrvoHwAngle_Hwl				
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_PosTrajEnable_Cnt_lg				
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_HwD	0eg_f32			
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32	tgt_TrqOvlSta_Per1_SWARTrgtAngReques	t_HwDeg_f32			
$tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_lgc$	tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse	_Cnt_lgc			
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32	tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f3	32			
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc	tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lg				
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 Igc.value	1				
tgt TrqOvlSta Per1 PosTrajEnable_Cnt_gc.value					
	0.189999998				
tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32.value	16.5				
tgt_TrqOvlSta_Per1_ShiftLeverlsInReverse_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	·		
TrqOvISta_ElapsedStandstillTime_Sec_M_f32	430968	430968 ± 1			
TrqOvlSta_HapticState_State_M_enum	2	2			
TrqOvlSta_Hapticdur_Cnt_M_u16	1	1 ± 1	V		
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	~		
TrqOvISta_LKAPermFault_Cnt_M_u08	3	3 ± 1	✓		
TrqOvlSta_LKAState_State_M_enum	3	3			
TrqOvISta_PosSrvoHwAngle_HwDeg_M_f32	0.189999998	0.189999998 ± 0.0009765625	·		
TrqOvISta_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	~		
	0	2			
tgt_TrqOvlSta_Per1_GMOSHOscillateState_State_enum.value	2	2	•		

3

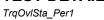
0.189999998

1 ± 1

0.189999998 ± 0.0009765625

 $tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value$

tgt_TrqOvlSta_Per1_LKAState_State_enum.value tgt_TrqOvlSta_Per1_PosServEnable_Cnt_lgc.value





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)	Invest Value
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	1.3999998
TrqOvlSta_ReadytoPulse_Cnt_M_lgc	1
k_APAIncludeHaptic_Cnt_lgc	1
k_APAMaxHwTrqTime_Sec_f32	0.601666689
k APAMaxHwTrg 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
	32.3019981
k_HapticFreq_Hz_f32	
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 Igo	
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_Igc	tgt_TrqOvlSta_Per1_ESClsLimited_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 TrgOvlSta.TrgOvlSta Per1 GMOSH APAMfgEnable Cnt Igc	tgt_TrqOvlSta_Per1_GMOSH_APAMfgEnable_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_ESCMfgEnable_Cnt_lgc	tgt_TrqOvISta_Per1_GMOSH_ESCMfgEnable_Cnt_Igc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_GMOSH_LKAMfgEnable_Cnt_Igc	tgt_TrqOvISta_Per1_GMOSH_LKAMfgEnable_Cnt_Igc
tgt Rte Inst Ap TrqOvISta.TrqOvISta Per1 HapticRequest Cnt Igc	tgt_TrqOvISta_Per1_HapticRequest_Cnt_lgc
tgt Rte Inst Ap TrqOvlSta.TrqOvlSta Per1 HwTorque HwNm f32	tgt TrqOvISta 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_Igc	tgt_TrqOvlSta_Per1_LKAInhibit_Cnt_lgc
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKARequest_Cnt_lgc	tgt_TrqOvlSta_Per1_LKARequest_Cnt_lgc tgt_TrqOvlSta_Per1_LKAState_State_enum
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_LKAState_State_enum	

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



Name	Input Value				
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_MaxSecureVehicleSpeed_Kph_f32	tgt_TrqOvlSta_Per1_MaxSecureVehicle	Speed_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_Cn	t_lgc			
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_PosTrajHwAngle_HwDeg_f32	tgt_TrqOvlSta_Per1_PosTrajHwAngle_h	HwDeg_f32			
$tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32211111111111111111111111111111111111$	tgt_TrqOvlSta_Per1_SWARTrgtAngRequest_HwDeg_f32				
tgt_Rte_Inst_Ap_TrqOvlSta.TrqOvlSta_Per1_ShiftLeverlsInReverse_Cnt_Igc	tgt_TrqOvlSta_Per1_ShiftLeverIsInReve	erse_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_ESClsLimited_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	1	0			
tgt_TrqOvlSta_Per1_ShiftLeverIsInReverse_Cnt_Igc.value		From a stand Walter	D		
Name Tago dote ADACtate Clate M. aggregation	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	44450				
TrqOvlSta_Hapticdur_Cnt_M_u16	0.00200000009	44450 ± 1 0.002000000009 ± 1			
TrqOvlSta_Haptictime_Sec_M_f32 TrqOvlSta_HuvTorqueSt/_HuvNm_M_Str_St/_Llla_f32					
TrqOvlSta_HwTorqueSV_HwNm_M_Str.SV_UIs_f32 TrqOvlSta_LKAFault_Cnt_M_lgc	2.43524981	2.43525004 ± 0.000009 1 ± 1			
TrqOvISta LKAPermFault Cnt M Igc	0	0 ± 1			
TrqOvISta_LKAPermFault_Cnt_M_u08	2	2 ± 1			
TrgOvISta LKAState State M enum	0	0			
TrqOvISta_LRAState_State_W_entitle TrqOvISta PosSrvoHwAngle HwDeg M f32	0.200000003	0.200000003 ± 0.0009765625			
TrqOvISta_ReadytoPulse_Cnt_M_lgc	1	1 ± 1			
tgt_TrqOvlSta_Per1_APADrvrInterventionDetected_Cnt_lgc.value	0	0 ± 1			
tgt TrqOvISta Per1 APAState State enum.value	0	0			
tgt TrqOvISta_Per1_AFAState_State_enum.value	2	2			
tgt_TrqOvISta_Per1_GMOSHOscillateState_State_enum.value	0	0			
tgt_TrqOvISta_Per1_LKAState_State_enum.value	0	0			
tgt_TrqOvISta_Per1_PosServEnable_Cnt_Igc.value	1	1 ± 1			
	1.				
tat TraOviSta Per1 PosSrvoHwAngle HwDea t32.value	0.200000003	0.200000003 ± 0.0009765625	₩		
tgt_TrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value tgt TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value	0.200000003 0.462000012	0.200000003 ± 0.0009765625 0.462000012 ± 0.0009765625	•		
tgt_IrqOvlSta_Per1_PosSrvoHwAngle_HwDeg_f32.value tgt_TrqOvlSta_Per1_TrqOscAmp_MtrNm_f32.value tgt_TrqOvlSta_Per1_TrqOscEnable_Cnt_lgc.value	0.200000003 0.462000012 0	0.200000003 ± 0.0009765625 0.462000012 ± 0.0009765625 0 ± 1			

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 TrgOvlSta Per1 CP1 CheckpointReached	1	•		