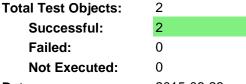
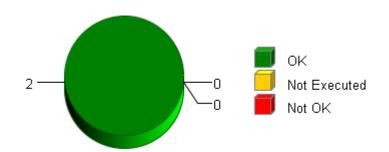


Summary

Overall Test Object Results (including Coverage)



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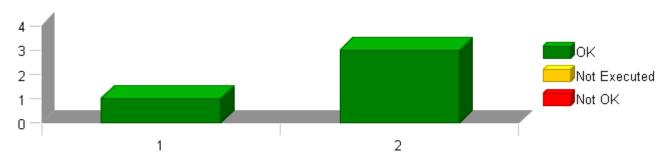
Selected Project Items

Test Object "CBD_UnitTest/TrqLOA/TrqLOA_Init1" Test Object "CBD_UnitTest/TrqLOA/TrqLOA_Per1"

Used Test Environments

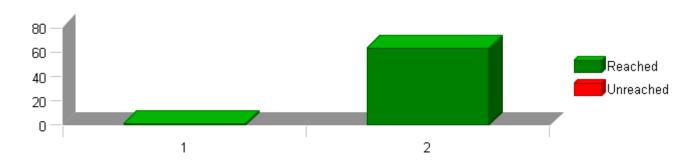
TI TMS 570 PLS UDE (Default)

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).

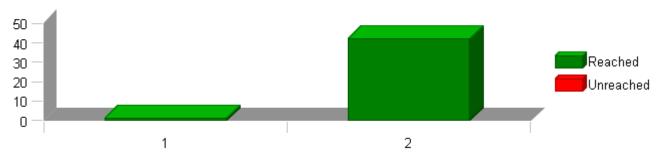
Statement (C0) Coverage: Total Statements for Each Test Object





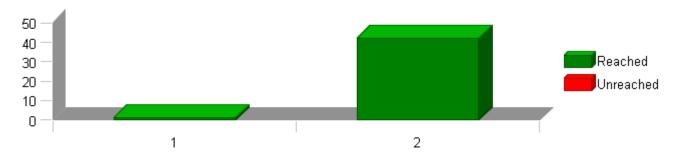
The table above shows each test object on the x axis and the number of statements of the respective test object on the y axis. Each bar is divided into reached statements (i.e. statements that have been executed during the test) and unreached statements.

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.

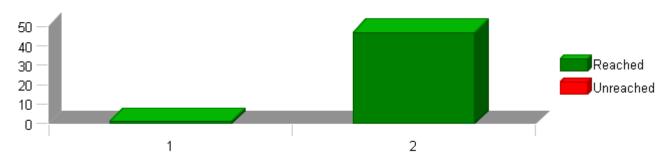
Decision Coverage: Total Decision Outcomes for Each Test Object



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

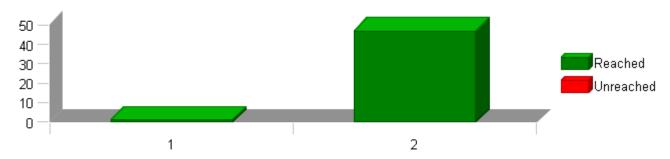


The table above shows test objects on the x axis and the number of condition combinations of all decisions of the respective test object on the y axis. The number of condition combinations is based on the number of boolean conditions within each decision of the test object. To achieve full MC/DC coverage,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

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
	TrqLOA	100 %	100 %	100 %	100 %	100 %	4 of 4 passed
	CBD_UnitTest	100 %	100 %	100 %	100 %	100 %	4 of 4 passed
	TrqLOA	100 %	100 %	100 %	100 %	100 %	4 of 4 passed
1	TrqLOA_Init1	100 %	100 %	100 %	100 %	100 %	1 of 1 passed
2	TrqLOA Per1	100 %	100 %	100 %	100 %	100 %	3 of 3 passed

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TrqLOA_Per1

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 Project
 TrqLOA

 Module
 TrqLOA

 Test Object
 TrqLOA_Per1

Instrumentation: Test Object Only

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

Statistics

Total Testcases	3	
Successful	3	~
Failed	0	
Not Executed	0	

Module Properties

Project Root Directory	D:\Synergy_Work_Area\TrqLOA_SF48A	
Configuration File	\$(PROJECTROOT)\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)\TrqLOA\src\Ap_TrqLOA.c	
Compiler Options	-D_DATA_ACCESS= -Dconst= -I\$(PROJECTROOT)\TrqLOA\utp\Contract -I\$(PROJECTROOT)\TrqLOA\utp\Contract\Ap_TrqLOA -I\$ (PROJECTROOT)\StdDef\underlinclude -I\$(PROJECTROOT)\NxtrLib\\underlinclude -I\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler \tms470_4.9.5\\underlinclude	
File	\$(PROJECTROOT)\NxtrLib\src\interpolation.c	
Compiler Options	-D_DATA_ACCESS= -Dconst= -I\$(PROJECTROOT)\TrqLOA\utp\Contract -I\$(PROJECTROOT)\TrqLOA\utp\Contract\Ap_TrqLOA -I\$ (PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\NxtrLib\include -I\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler \tms470_4.9.5\include	

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	<pre>\$(PROJECTROOT)\UnitTestEnv\static_build_files\src</pre>			
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	<pre>\$(ProgramFiles)\pls\UDE 3.2</pre>			
Time Unit	Cycles			
Timer Enabled	false			
Timer Prescale	0			
Timer Resolution	1			
UDE Config File	\$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg			

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Workspace File D:\Synergy_Work_Area\TrqLOA_SF48A\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

Comments/Description/Specification		
Name	Text	
Module 'TrqLOA'	Name of Tester: Priti Mangalekar Code File(s) Under Test: Ap_TrqLOA.c Code File(s) Version: 2 Module Design Document: TrqLOA_MDD.doc Module Design Document Version: 2 Data Dictionary Version: 3 Unit Test Plan Version: 1 Optimization Level: Level 2 Compiler (CodeGen) Version: TMS470_4.9.5 Model Type: Excel Macro Model Version: Nexter EPS Unit Test Tool 2.7d/ EPS Library 1.32 Total FLASH Used (Bytes): 1378 Total RAM Used (Bytes): 52 Total CALS Used (Bytes): 204 Special Test Requirements: Test Date: 6/23/2015 Comments: "NOTE1: Inline function defined in ""GlobalMacro.h"" are not unit tested. NOTE2: ""CBD_Sandbox_dbg.map"" map file is embedded for reference."	
Test Object 'TrqLOA_Per1'		



Test Case 1: Metrics Test

Specification

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

CPU Cycles:

TS1.1 733 Cycles TS1.2 667 Cycles

Vector Description: Description

 $TS1.2Shortest\ Execution\ Path=>if((TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32) = k_TrqLOA_AbsAssistThreshold_MtrNm_f32) \& (MtrVel_MtrRadpS_T_f32) = k_TrqLOA_AbsVelThreshold_MtrRadpS_f32))=TRUE$

Test Step 1.1 (Repeat Count = 1)	· ·
Name	Input Value
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.5
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.20000003
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0140000004
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-5.65911293
TrqLOA_TloaCmd_MtrNm_M_f32	-7
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	1.20000005
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	8.3897934
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	292.217896
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-100
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	35.2165909
k_TrqLOA_FallingRampRate_UlspS_f32	-665.315002
k_TrqLOA_LatAccConversionFactor_Uls_f32	3.95698261
k_TrqLOA_LimOutput_MtrNm_f32	2.75277615
k_TrqLOA_MaxScaleFactor_Uls_f32	0.694187999
k_TrqLOA_MinScaleFactor_Uls_f32	0.5
k_TrqLOA_NomDrvTrq_MtrNm_f32	8.71295547
k_TrqLOA_RisingRampRate_UlspS_f32	1000
k_TrqLOA_SteerRatio_Uls_f32	48.5321007
k TrgLOA UndersteerGrad RadpG f32	0.25
k_TrqLOA_Wheelbase_M_f32	19.8064346
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	12124
t2 TrqLOA DiffGainY UIs u1p15[0][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	13107
t2_TrqLOA_DiffGainY_UIs_u1p15[1][0]	10158
t2_TrqLOA_DiffGainY_UIs_u1p15[1][1]	12124
t2_TrqLOA_DiffGainY_UIs_u1p15[1][2]	12780
t2_TrqLOA_DiffGainY_UIs_u1p15[1][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	10158
t2_TrqLOA_DiffGainY_UIs_u1p15[2][1]	12124
t2_TrqLOA_DiffGainY_UIs_u1p15[2][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	13107
t2_TrqLOA_DiffGainY_UIs_u1p15[3][0]	10158
t2_TrqLOA_DiffGainY_UIs_u1p15[3][1]	12124
t2_TrqLOA_DiffGainY_UIs_u1p15[3][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	13107
t2 TrqLOA DiffGainY UIs u1p15[4][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	12124
t2_TrqLOA_DiffGainY_UIs_u1p15[4][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	12780
t2 TrgLOA DiffGainY UIs u1p15[5][3]	13107
t2_TrqLOA_DiffGainY_UIs_u1p15[6][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	13107
=q=o.v_bou.n_o.o_u.b.o[v][o]	.0101

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Name	Input Value		
t_TrqLOA_DiffGainX_G_u2p14[0]	5079		
t_TrqLOA_DiffGainX_G_u2p14[1]	6062		
t_TrqLOA_DiffGainX_G_u2p14[2]	6390		
t_TrqLOA_DiffGainX_G_u2p14[3]	6554		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	3520		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	3840		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	4160		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	4480		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	4800		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	3277		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	6554		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	9830		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	13107		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	16384		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	36864		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	37683		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	40960		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	41779		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	45056		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	45875		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	49152		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	49971		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	5734		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	10650		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	15974		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	16794		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	19251		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	20890		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	22938		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	24166		
t_TrqLOA_X_Kph_u10p6[0]	1088		
t_TrqLOA_X_Kph_u10p6[1]	1152		
t_TrqLOA_X_Kph_u10p6[2]	1216		
t_TrqLOA_X_Kph_u10p6[3]	1280		
t_TrqLOA_X_Kph_u10p6[4]	1344		
t_TrqLOA_X_Kph_u10p6[5]	1408		
t_TrqLOA_X_Kph_u10p6[6]	1472		
t_TrqLOA_X_Kph_u10p6[7]	1536	14 11 11 100	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_Handwhee		
target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_M		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_Igc	target_TrqLOA_Per1_LatAccelV		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_Igc	target_TrqLOA_Per1_MotAgLoa target TrqLOA Per1 MtrVelCR	·	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc	target_TrqLOA_Per1_TrqLOAA		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOAC		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACITid_intintint_is2 target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc	target TrqLOA_Per1_TrqLOACI		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSp	_ _ •	
target_Rte_inst_Ap_frqLOA.frqLOA_Peri_veriidespeed_Rpri_isz target TrqLOA_Peri_HandwheelAuthority_Uls_f32.value	1		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	2.87261653		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	0		
target TrqLOA Per1 MtrVelCRF MtrRadpS f32.value	829.04834		
target TrqLOA Per1 RelHwPos HwDeg f32.value	-375.864563		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	126.835663		
Name	Actual Value	Expected Value	Result
TrqLOA LatAccScaleFactor Uls M f32	0.399993896	0.399993896	Nesult
TrqLOA_LatAcceSV_g_M_Str.SV_Uls_f32	0.192544758	0.192544758	
TrqLOA_CaledMtrTrqCmd_MtrNm_M_f32	0.192544756	0.192544756	
TrqLOA_ScaledwithTqCffid_MithNin_M_132 TrqLOA TloaCmd MtrNm M f32	0	0 ± 0.01	
TrqLOA_ribacrid_mithMi_M_i32 TrqLOA TrqBasedScaleFactor Uls M f32	0.5	0.5	
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	1	1	
goqcoi or i_riqco.vavaii_onic_igo.value			_

Test Step 1.2 (Repeat Count = 1)			
Name	Input Value		
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA		
TrqLOA_LatAccScaleFactor_Uls_M_f32	0		
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.150000006		
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0434999987		

0 ± 0.01

0

target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value





Name	Input Value
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	8.80000019
TrqLOA_TloaCmd_MtrNm_M_f32	6
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.200000003
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	2.98309565
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	909.534851
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-24.0498333
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	0
k_TrqLOA_FallingRampRate_UlspS_f32	-1000
k_TrqLOA_LatAccConversionFactor_Uls_f32	8.6829052
k_TrqLOA_LimOutput_MtrNm_f32	3.57006645
k_TrqLOA_MaxScaleFactor_Uls_f32	1
k_TrqLOA_MinScaleFactor_Uls_f32	1
k_TrqLOA_NomDrvTrq_MtrNm_f32	0.726554036
k_TrqLOA_RisingRampRate_UlspS_f32	0
k_TrqLOA_SteerRatio_Uls_f32	6.56352139
k_TrqLOA_UndersteerGrad_RadpG_f32	0.25 3.98621607
k_TrqLOA_Wheelbase_M_f32	32768
t2_TrqLOA_DiffGainY_UIs_u1p15[0][0] t2_TrqLOA_DiffGainY_UIs_u1p15[0][1]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	32768
t2_TrqLOA_DiifGainY_Uls_u1p15[0][3]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	32768
t2_TrqLOA_DiffGainY_UIs_u1p15[2][1]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	32768
t2_TrqLOA_DiffGainY_UIs_u1p15[3][0]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	32768
t2_TrqLOA_DiffGainY_UIs_u1p15[6][1]	32768
t2_TrqLOA_DiffGainY_UIs_u1p15[6][2]	32768
t2_TrqLOA_DiffGainY_UIs_u1p15[6][3] t2_TrqLOA_DiffGainY_UIs_u1p15[7][0]	32768 32768
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	32768
t_TrqLOA_DiffGainX_G_u2p14[0]	32768
t_TrqLOA_DiffGainX_G_u2p14[1]	32768
t_TrqLOA_DiffGainX_G_u2p14[2]	32768
t_TrqLOA_DiffGainX_G_u2p14[3]	32768
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	0
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	0
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	0
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	0
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	0
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	32768
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	32768
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	32768
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	32768
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	32768
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	20480
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	21299
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	24576
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	25395
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	28672
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	29491
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	32768
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	33587
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0] t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	11469 19251

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TrqLOA_Per1

			• • • • • • • • • • • • • • • • • • • •	
Name	Input Value			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	21709			
t TrqLOA TempTrqCmdSatYTbl MtrNm u4p12[3]	19661			
t TrgLOA TempTrgCmdSatYTbl MtrNm u4p12[4]	24986			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	26624			
t TrqLOA TempTrqCmdSatYTbl MtrNm u4p12[6]	31539			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	29901			
t_TrqLOA_X_Kph_u10p6[0]	6208			
t_TrqLOA_X_Kph_u10p6[1]	6272			
t_TrqLOA_X_Kph_u10p6[2]	6336			
t_TrqLOA_X_Kph_u10p6[3]	6400			
t_TrqLOA_X_Kph_u10p6[4]	6464			
t_TrqLOA_X_Kph_u10p6[5]	6528			
t_TrqLOA_X_Kph_u10p6[6]	6592			
t_TrqLOA_X_Kph_u10p6[7]	6656			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthori	ty_Uls_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecSq_	_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelValid_Cnt	target_TrqLOA_Per1_LatAccelValid_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_HwDeg_f32			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpeed_Kph_f32			
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0.825533628			
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	0.187185764			
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0			
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1			
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	1207.13953			
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	863.729614			
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	0			
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	157.958984			
Name	Actual Value	Expected Value		Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0	0		
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.513088524	0.513088584		
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0		
TrqLOA_TloaCmd_MtrNm_M_f32	0	0		•
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.200000003	0.200000003		•

0

0

0

0

 $target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value$

target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value

TrqLOA_Per1

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Test Case 2: Boundary Test

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TrqLOA_Per1 Specification

Performance Metrics: (With "None" Instrumentation and "WithPS' Environment) TS2.1 641 Cycles TS2.2 794 Cycles TS2.3 729 Cycles TS2.4 831 Cycles TS2.4 831 Cycles
TS2.5 732 Cycles
TS2.5 732 Cycles
TS2.6 725 Cycles
TS2.7 728 Cycles
TS2.7 728 Cycles
TS2.9 717 Cycles
TS2.10 716 Cycles
TS2.11 818 Cycles
TS2.12 698 Cycles
TS2.13 707 Cycles
TS2.13 707 Cycles
TS2.14 719 Cycles
TS2.15 664 Cycles
TS2.16 712 Cycles
TS2.16 712 Cycles
TS2.17 668 Cycles
TS2.18 738 Cycles
TS2.19 759 Cycles
TS2.20 686 Cycles TS2.19 759 Cycles TS2.20 686 Cycles TS2.21 722 Cycles TS2.22 709 Cycles TS2.23 720 Cycles TS2.24 718 Cycles TS2.26 729 Cycles TS2.26 729 Cycles TS2.27 722 Cycles TS2.29 663 Cycles TS2.30 675 Cycles TS2.31 713 Cycles TS2.31 686 Cycles TS2.33 686 Cycles TS2.34 662 Cycles TS2.34 662 Cycles TS2.35 694 Cycles TS2.36 654 Cycles TS2.36 654 Cycles
TS2.37 693 Cycles
TS2.38 726 Cycles
TS2.39 685 Cycles
TS2.40 686 Cycles
TS2.41 665 Cycles
TS2.41 665 Cycles
TS2.42 696 Cycles
TS2.42 696 Cycles
TS2.43 719 Cycles
TS2.45 679 Cycles
TS2.47 717 Cycles
TS2.48 723 Cycles
TS2.49 758 Cycles
TS2.50 665 Cycles
TS2.51 678 Cycles
TS2.51 678 Cycles
TS2.52 710 Cycles
TS2.53 731 Cycles
TS2.55 720 Cycles
TS2.55 720 Cycles
TS2.55 720 Cycles
TS2.56 699 Cycles
TS2.57 733 Cycles
TS2.58 721 Cycles
TS2.58 721 Cycles
TS2.56 699 Cycles
TS2.56 699 Cycles
TS2.57 733 Cycles
TS2.58 721 Cycles
TS2.59 723 Cycles
TS2.59 723 Cycles
TS2.57 733 Cycles
TS2.66 699 Cycles
TS2.67 723 Cycles
TS2.67 723 Cycles
TS2.68 737 Cycles
TS2.68 737 Cycles
TS2.79 720 Cycles
TS2.71 728 Cycles
TS2.71 728 Cycles
TS2.77 729 Cycles
TS2.77 720 Cycles
TS2.77 720 Cycles
TS2.77 721 Cycles
TS2.77 721 Cycles
TS2.77 722 Cycles
TS2.77 723 Cycles
TS2.78 720 Cycles
TS2.79 704 Cycles
TS2.81 700 Cycles
TS2.82 772 Cycles
TS2.83 735 Cycles
TS2.84 762 Cycles
TS2.88 664 Cycles
TS2.89 664 Cycles
TS2.89 664 Cycles
TS2.89 664 Cycles
TS2.99 677 Cycles TS2.94 671 Cycles TS2.95 725 Cycles TS2.96 725 Cycles TS2.96 725 Cycles TS2.97 648 Cycles TS2.98 675 Cycles TS2.100 677 Cycles TS2.101 731 Cycles TS2.102 700 Cycles TS2.103 718 Cycles TS2.104 806 Cycles TS2.105 695 Cycles TS2.105 713 Cycles TS2.107 736 Cycles TS2.107 736 Cycles TS2.108 730 Cycles

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TrqLOA_Per1



TS2.109 712 Cycles
TS2.110 714 Cycles
TS2.111 736 Cycles
TS2.111 736 Cycles
TS2.111 741 Cycles
TS2.113 729 Cycles
TS2.114 804 Cycles
TS2.115 719 Cycles
TS2.116 730 Cycles
TS2.117 713 Cycles
TS2.117 713 Cycles
TS2.117 713 Cycles
TS2.118 725 Cycles
TS2.117 708 Cycles
TS2.112 708 Cycles
TS2.121 708 Cycles
TS2.122 696 Cycles
TS2.123 709 Cycles
TS2.125 717 Cycles
TS2.126 655 Cycles
TS2.127 723 Cycles
TS2.127 723 Cycles
TS2.128 704 Cycles
TS2.127 723 Cycles
TS2.128 704 Cycles
TS2.129 707 Cycles
TS2.131 725 Cycles
TS2.132 707 Cycles
TS2.133 740 Cycles
TS2.135 702 Cycles
TS2.136 740 Cycles
TS2.137 700 Cycles
TS2.137 700 Cycles
TS2.138 732 Cycles
TS2.138 732 Cycles
TS2.139 725 Cycles
TS2.137 700 Cycles
TS2.137 700 Cycles
TS2.137 700 Cycles
TS2.138 732 Cycles
TS2.139 725 Cycles
TS2.140 667 Cycles



TrqLOA_Per1 Description

Vector Description:

TS2.1All Min TS2.2All Max TS2.3HandwheelAuthority_Uls_f32==>Min TS2.4HandwheelAuthority_Uls_f32==>Max TS2.5HandwheelAuthority_Uls_f32==>Pos TS2.6RelHwPos_HwDeg_f32==>Min TS2.7RelHwPos_HwDeg_f32==>Max TS2.8RelHwPos_HwDeg_f32==>Pos TS2.9RelHwPos_HwDeg_f32==>Zero TS2.10RelHwPos_HwDeg_f32==>Neg TS2.11LatAccelValid_Cnt_lgc==>Min TS2.12LatAccelValid_Cnt_lgc==>Max TS2.13LatAccelValid_Cnt_lgc==>Pos TS2.14LatAcc_MpSecSq_f32==>Min TS2.14LatAcc_MpSecSq_f32==>Max TS2.15LatAcc_MpSecSq_f32==>Pos TS2.17LatAcc_MpSecSq_f32==>Zero TS2.18LatAcc_MpSecSq_f32==>Neg TS2.19MotAgLoaMtgtnEn_Cnt_lgc==>Min TS2.20MotAgLoaMtgtnEn_Cnt_lgc==>Max TS2.21MotAgLoaMtgtnEn_Cnt_lgc==>Pos TS2.22MtrVelCRF_MtrRadpS_f32==>Min TS2.23MtrVelCRF_MtrRadpS_f32==>Min TS2.23MtrVelCRF_MtrRadpS_f32==>Pos TS2.25MtrVelCRF_MtrRadpS_f32==>Zero TS2.25MtrVelCRF_MtrRadpS_f32==>Neg TS2.25MtrVelCRF_MtrRadpS_f32==>Neg TS2.27VehicleSpeedValid_Cnt_lgc==>Min TS2.28VehicleSpeedValid_Cnt_lgc==>Max TS2.29VeflicleSpeedValid_Cnt_lgc==>Pos
TS2.39VehicleSpeed_Kph_f32==>Pos
TS2.30VehicleSpeed_Kph_f32==>Min
TS2.31VehicleSpeed_Kph_f32==>Max
TS2.32VehicleSpeed_Kph_f32==>Max
TS2.32VehicleSpeed_Kph_f32==>Pos
TS2.33V_TrqLOA_LatAccConversionFactor_Uls_f32==>Min
TS2.34K_TrqLOA_LatAccConversionFactor_Uls_f32==>Max
TS2.35K_TrqLOA_LatAccConversionFactor_Uls_f32==>Max
TS2.35K_TrqLOA_LatAccConversionFactor_Uls_f32==>Max TS2.35k_TrqLOA_LatAccConversionFactor_UIs_f32==>Pos TS2.36k_TrqLOA_SteerRatio_UIs_f32==>Min TS2.37k_TrqLOA_SteerRatio_UIs_f32==>Max TS2.38k TrqLOA SteerRatio Uls_f32==>Pos TS2.39k TrqLOA Wheelbase M_f32==>Min TS2.40k_TrqLOA_Wheelbase_M_f32==>Max TS2.41k_TrqLOA_Wheelbase_M_f32==>Pos TS2.42k_TrqLOA_NomDrvTrq_MtrNm_f32==>Min TS2.43k_TrqLOA_NomDrvTrq_MtrNm_f32==>Max TS2.44k_TrqLOA_NomDrvTrq_MtrNm_f32==>Pos TS2.45k_TrqLOA_AbsAssistThreshold_MtrNm_f32==>Min TS2.46k_TrqLOA_AbsAssistThreshold_MtrNm_f32==>Max TS2.47k_TrqLOA_AbsAssistThreshold_MtrNm_f32==>Pos TS2.48TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32==>Min TS2.49TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32==>Max TS2.50TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32==>Pos TS2.51TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32==>Zero TS2.52TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32==>Neg TS2.53k TrqLOA AbsVelThreshold MtrRadpS f32==>Min TS2.54k_TrqLOA_AbsVelThreshold_MtrRadpS_f32==>Max TS2.55k_TrqLOA_AbsVelThreshold_MtrRadpS_f32==>Pos TS2.56k_TrqLOA_MaxScaleFactor_Uls_f32==>Min TS2.57k_TrqLOA_MaxScaleFactor_Uls_f32==>Max TS2.58k_TrqLOA_MaxScaleFactor_Uls_f32==>Pos TS2.59k_TrqLOA_MinScaleFactor_Uls_f32==>Min TS2.60k_TrqLOA_MinScaleFactor_Uls_f32==>Max TS2.61k_TrqLOA_MinScaleFactor_Uls_f32==>Pos TS2.62TrqLOA_TrqBasedScaleFactor_Uls_M_f32==>Min TS2.63TrqLOA_TrqBasedScaleFactor_Uls_M_f32==>Max TS2.64TrqLOA_TrqBasedScaleFactor_Uls_M_f32==>Pos TS2.65TrqLOA_TrqBasedScaleFactor_Uls_M_f32==>Zero TS2.66TrqLOA_TrqBasedScaleFactor_Uls_M_f32==>Neg TS2.67k_TrqLOA_FallingRampRate_UlspS_f32==>Min TS2.68k_TrqLOA_FallingRampRate_UlspS_f32==>Max TS2.69k_TrqLOA_FallingRampRate_UlspS_f32==>Mid IS2.69k_IrqLOA_FallingRampRate_UlspS_f32==>Mid
TS2.70k_TrqLOA_RisingRampRate_UlspS_f32==>Min
TS2.71k_TrqLOA_RisingRampRate_UlspS_f32==>Max
TS2.72k_TrqLOA_RisingRampRate_UlspS_f32==>Pos
TS2.73t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[5]==>Min
TS2.74t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[5]==>Max
TS2.75t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[5]==>Pos
TS2.76t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[5]==>Min
TS2.77t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[5]==>Max
TS2.78t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[5]==>Pos TS2.78t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[5]==>Pos
TS2.79t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[8]==>Min
TS2.80t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[8]==>Max
TS2.81t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[8]==>Pos
TS2.82t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[8]==>Min
TS2.83t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[8]==>Max
TS2.84t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[8]==>Pos
TS2.84t_TrqLOA_X_Kph_u10p6[8]==>Min
TS2.86t_TrqLOA_X_Kph_u10p6[8]==>Max
TS2.87t_TrqLOA_X_Kph_u10p6[8]==>Pos
TS2.88TrqLOA_LatAccScaleFactor_Uls_M_f32==>Min
TS2.89TrqLOA_LatAccScaleFactor_Uls_M_f32==>Max TS2.89TrqLOA_tatAccScaleFactor_UIs_M_f32==>Min TS2.89TrqLOA_tatAccScaleFactor_UIs_M_f32==>Pos TS2.90TrqLOA_DiffScaleRateLimiterFalling_UIspS_f32==>Min TS2.92k_TrqLOA_DiffScaleRateLimiterFalling_UIspS_f32==>Max TS2.93k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32==>Mid TS2.94TrqLOA_TloaCmd_MtrNm_M_f32==>Min



```
TS2.95TrqLOA_TloaCmd_MtrNm_M_f32==>Pos
TS2.96TrqLOA_TloaCmd_MtrNm_M_f32==>Pos
TS2.97TrqLOA_TloaCmd_MtrNm_M_f32==>Pos
TS2.98TrqLOA_TloaCmd_MtrNm_M_f32==>Neg
TS2.98TrqLOA_LatAccelSV_g_M_Str.SV==>Min
TS2.100TrqLOA_LatAccelSV_g_M_Str.SV==>Pos
TS2.99TrqLOA_LatAccelSV_g_M_Str.SV==>Pos
TS2.101TrqLOA_LatAccelSV_g_M_Str.SV==>Pos
TS2.102K_TrqLOA_UndersteerGrad_RadpG_f32==>Min
TS2.103k_TrqLOA_UndersteerGrad_RadpG_f32==>Min
TS2.104k_TrqLOA_UndersteerGrad_RadpG_f32==>Pos
TS2.105k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32==>Min
TS2.105k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32==>Max
TS2.105k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32==>Min
TS2.105k_TrqLOA_DiffGainX_G_u2p14[4]==>Min
TS2.109t_TrqLOA_DiffGainX_G_u2p14[4]==>Max
TS2.109t_TrqLOA_DiffGainX_G_u2p14[4]==>Max
TS2.110t_TrqLOA_DiffGainX_G_u2p14[4]==>Max
TS2.111t2_TrqLOA_DiffGainY1_Uls_u1p15[4]==>Pos
TS2.112t2_TrqLOA_DiffGainY1_Uls_u1p15[4]==>Pos
TS2.112t2_TrqLOA_DiffGainY2_Uls_u1p15[4]==>Min
TS2.115t2_TrqLOA_DiffGainY2_Uls_u1p15[4]==>Min
TS2.115t2_TrqLOA_DiffGainY2_Uls_u1p15[4]==>Min
TS2.115t2_TrqLOA_DiffGainY2_Uls_u1p15[4]==>Min
TS2.115t2_TrqLOA_DiffGainY3_Uls_u1p15[4]==>Min
TS2.118t2_TrqLOA_DiffGainY3_Uls_u1p15[4]==>Min
TS2.118t2_TrqLOA_DiffGainY3_Uls_u1p15[4]==>Min
TS2.118t2_TrqLOA_DiffGainY3_Uls_u1p15[4]==>Min
TS2.112t2_TrqLOA_DiffGainY3_Uls_u1p15[4]==>Min
TS2.112t2_TrqLOA_DiffGainY3_Uls_u1p15[4]==>Min
TS2.1212_TrqLOA_DiffGainY3_Uls_u1p15[4]==>Min
TS2.1212_TrqLOA_DiffGainY4_Uls_u1p15[4]==>Min
TS2.1212_TrqLOA_DiffGainY5_Uls_u1p15[4]==>Min
TS2.1212_TrqLOA_DiffGainY5_Uls_u1p15[4]==>Min
TS2.1212_TrqLOA_DiffGainY5_Uls_u1p15[4]==>Min
TS2.1212_TrqLOA_DiffGainY6_Uls_u1p15[4]==>Min
TS2.1212_TrqLOA_DiffGainY6_Uls_u1p15[4]==>Min
TS2.1212_TrqLOA_DiffGainY6_Uls_u1p15[4]==>Min
TS2.1212_TrqLOA_DiffGainY6_Uls_u1p15[4]==>Min
TS2.1212_TrqLOA_DiffGainY6_Uls_u1p15[4]==>Min
TS2.1212_TrqLOA_DiffGainY6_Uls_u1p15[4]==>Min
TS2.1312_TrqLOA_DiffGainY6_Uls_u1p15[4]==>Min
TS2.1312_TrqLOA_DiffGainY6_Uls_u1p15[4]==>Min
TS2.1312_TrqLOA_DiffGainY6_Uls_u1p15[4]==>Min
TS2.1312_TrqLOA_DiffGainY6
```

Test Step 2.1 (Repeat Count = 1)	✓
Name	Input Value
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA
TrqLOA_LatAccScaleFactor_Uls_M_f32	0
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0125000002
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-8.80000019
TrqLOA_TloaCmd_MtrNm_M_f32	-8.80000019
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-2
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	0
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	0
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-100
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	0
k_TrqLOA_FallingRampRate_UlspS_f32	-1000
k_TrqLOA_LatAccConversionFactor_Uls_f32	0.100000001
k_TrqLOA_LimOutput_MtrNm_f32	0
k_TrqLOA_MaxScaleFactor_Uls_f32	0
k_TrqLOA_MinScaleFactor_Uls_f32	0
k_TrqLOA_NomDrvTrq_MtrNm_f32	0
k_TrqLOA_RisingRampRate_UlspS_f32	0
k_TrqLOA_SteerRatio_Uls_f32	1
k_TrqLOA_UndersteerGrad_RadpG_f32	0
k_TrqLOA_Wheelbase_M_f32	0.5
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	0
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	0
t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	0
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	0
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	0
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	0
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	0
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	0
t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	0
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	0
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	0
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	0
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	0
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	0

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TrqLOA_Per1



Name	Input Value
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	0
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	0
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	0
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	0
t2 TrqLOA DiffGainY Uls u1p15[4][2]	0
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	0
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	0
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	0
t2_TrqLOA_DiffGainY_UIs_u1p15[5][2]	0
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	0
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	0
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	0
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	0
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	0
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	0
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	0
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	0
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	0
t_TrqLOA_DiffGainX_G_u2p14[0]	0
t_TrqLOA_DiffGainX_G_u2p14[1]	0
t_TrqLOA_DiffGainX_G_u2p14[2]	0
t_TrqLOA_DiffGainX_G_u2p14[3]	0
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0] t TrqLOA HighSpeedTrqBlend X Kph u10p6[1]	0
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	0
t TrqLOA HighSpeedTrqBlend X Kph u10p6[3]	0
t TrqLOA HighSpeedTrqBlend X Kph u10p6[4]	0
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	0
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	0
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	0
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	0
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	0
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	0
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	0
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	0
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	0
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	0
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	0
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	0
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	0
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	0
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	0
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	0
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	0
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	0
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5] t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	0
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	0
t TrqLOA X Kph u10p6[0]	0
t TrgLOA X Kph u10p6[1]	0
t_TrqLOA_X_Kph_u10p6[2]	0
t_TrqLOA_X_Kph_u10p6[3]	0
t_TrqLOA_X_Kph_u10p6[4]	0
t_TrqLOA_X_Kph_u10p6[5]	0
t_TrqLOA_X_Kph_u10p6[6]	0
t_TrqLOA_X_Kph_u10p6[7]	0
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecSq_f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelValid_Cnt_lgc
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOAAvail_Cnt_Igc
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc	target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpeed_Kph_f32
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-10
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	0
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-2000
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	-1000 0
angot_riqLon_r or r_vornoicopeeuvanu_ont_igo.value	J*

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TrqLOA_Per1

Name	Input Value		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	0		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0	0	~
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0	0 ± 0.01	~
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	✓
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	✓
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-2	-2 ± 0.01	✓
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	~
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0	0 ± 0.01	✓

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Name	Input Value		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	25600		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	25600		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	25600		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	32768		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	32768		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	32768		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	32768		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	32768		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	61440		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	61440		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	61440		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	61440		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	61440		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	61440		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	61440		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	61440		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	36045		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	36045		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	36045		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	36045		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	36045		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	36045		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	36045		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	36045		
t_TrqLOA_X_Kph_u10p6[0]	25600		
t_TrqLOA_X_Kph_u10p6[1]	25600		
t_TrqLOA_X_Kph_u10p6[2]	25600		
t_TrqLOA_X_Kph_u10p6[3]	25600		
t_TrqLOA_X_Kph_u10p6[4]	25600		
t_TrqLOA_X_Kph_u10p6[5]	25600		
t TrqLOA X Kph u10p6[6]	25600		
t_TrqLOA_X_Kph_u10p6[7]	25600		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_Handwhe	eelAuthority Uls f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_N		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_Igc	target_TrqLOA_Per1_LatAccel		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_Igc	target_TrqLOA_Per1_MotAgLo		
target Rte Inst Ap TrqLOA.TrqLOA Per1 MtrVelCRF MtrRadpS f32	target_TrqLOA_Per1_MtrVelCF		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPo		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target TrqLOA Per1 TrqLOAA		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOAC		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target TrqLOA Per1 VehicleS		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleS		
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	1		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	10		
target TrqLOA Per1 LatAccelValid Cnt lgc.value	1		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	2000		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	1000		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc.value	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	511		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_UIs_M_f32	1	1	rtodut
TrqLOA_LatAccelSV_g_M_Str.SV_UIs_f32	0.671402872	0.671402872 ± 0.01	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	1.27943039	1.2794311 ± 0.01	
TrqLOA_TloaCmd_MtrNm_M_f32	1.27943039	1.2794311 ± 0.01	
TrqLOA TrqBasedScaleFactor Uls M f32	2	2 ± 0.01	
9-59-0000000000 0001_010_102	-	L - 0.01	1

name	Actual value	Expected value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	1	1	✓
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.671402872	0.671402872 ± 0.01	✓
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	1.27943039	1.2794311 ± 0.01	✓
TrqLOA_TloaCmd_MtrNm_M_f32	1.27943039	1.2794311 ± 0.01	✓
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	2	2 ± 0.01	✓
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	✓
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	1.27943039	1.2794311 ± 0.01	✓

Test Step 2.3 (Repeat Count = 1)		✓
Name	Input Value	
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA	
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.985183835	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.100000001	
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0130000003	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-5.7119751	
TrqLOA_TloaCmd_MtrNm_M_f32	-8	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-0.970122039	
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	3.60568953	
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	135.044952	
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-98.6264648	

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TrqLOA_Per1



Name	Input Value
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	27.9837322
k_TrqLOA_FallingRampRate_UlspS_f32	-285.769348
k_TrqLOA_LatAccConversionFactor_Uls_f32	5.11622667
k_TrqLOA_LimOutput_MtrNm_f32	2.05712366
k_TrqLOA_MaxScaleFactor_Uls_f32	0.47853148
k_TrqLOA_MinScaleFactor_Uls_f32	0.21500051
k_TrqLOA_NomDrvTrq_MtrNm_f32	2.11723351
k_TrqLOA_RisingRampRate_UlspS_f32	775.606445
k_TrqLOA_SteerRatio_Uls_f32	27.0728893
k_TrqLOA_UndersteerGrad_RadpG_f32	0.0683564693
k_TrqLOA_Wheelbase_M_f32	20
t2_TrqLOA_DiffGainY_UIs_u1p15[0][0]	655
t2_TrqLOA_DiffGainY_UIs_u1p15[0][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[0][2] t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	4915 6226
t2_TrqLOA_DiliGainY_Uls_u1p15[0][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	2458
t2_frqLOA_billGainY_bis_d1p15[2][1] t2_frqLOA_billGainY_bis_d1p15[2][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	6226
t2_TrqLOA_DiliGainY_Uls_u1p15[2][3] t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	6226
t2_TrqLOA_DiffGainY_UIs_u1p15[5][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	6226
t_TrqLOA_DiffGainX_G_u2p14[0]	328
t_TrqLOA_DiffGainX_G_u2p14[1]	1229
t_TrqLOA_DiffGainX_G_u2p14[2]	2458
t_TrqLOA_DiffGainX_G_u2p14[3]	3113
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	320
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	640
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	960
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	1280
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	1600
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	3277
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	6554
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	16384
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	4096
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	4915
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	8192
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	9011
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	12288
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	13107
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	16384
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	17203
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	4096
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	8192
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	14336
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	15974
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	17613
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	19251
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	20480
	22528

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Name	Input Value		
t_TrqLOA_X_Kph_u10p6[0]	64		
t_TrqLOA_X_Kph_u10p6[1]	128		
t_TrqLOA_X_Kph_u10p6[2]	192		
t_TrqLOA_X_Kph_u10p6[3]	256		
t_TrqLOA_X_Kph_u10p6[4]	320		
t_TrqLOA_X_Kph_u10p6[5]	384		
t_TrqLOA_X_Kph_u10p6[6]	448		
t_TrqLOA_X_Kph_u10p6[7]	512		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthority_Uls	s_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecSq_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelValid_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_	_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f	32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_HwDeg_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc	target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32	2	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpeed_Kph_f32		
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-0.205600679		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	1986.76208		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	290.911285		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	392.295563		
Name	Actual Value E	xpected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.787930906 0.	787930906	✓
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.127424985 0.	.127424985 ± 0.01	✓
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0.465865254 0.	465865254 ± 0.01	✓
TrqLOA_TloaCmd_MtrNm_M_f32	0.465865254 0.	465865254 ± 0.01	✓
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.21500051 0.	21500051 ± 0.01	✓
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0 0		✓
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0.465865254 0.	465865254 ± 0.01	✓

Test Step 2.4 (Repeat Count = 1)		
Name	Input Value	
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA	
TrqLOA_LatAccScaleFactor_Uls_M_f32	1	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.150000006	
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0135000004	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	8.80000019	
TrqLOA_TloaCmd_MtrNm_M_f32	-7.5	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-0.399481773	
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	9.01481533	
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	479.457977	
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-27.0471287	
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	59.5514755	
k_TrqLOA_FallingRampRate_UlspS_f32	-645.648438	
k_TrqLOA_LatAccConversionFactor_Uls_f32	8.51897812	
k_TrqLOA_LimOutput_MtrNm_f32	1.56783617	
k_TrqLOA_MaxScaleFactor_Uls_f32	1	
k_TrqLOA_MinScaleFactor_Uls_f32	0.791850328	
k_TrqLOA_NomDrvTrq_MtrNm_f32	8.80000019	
k_TrqLOA_RisingRampRate_UlspS_f32	618.79248	
k_TrqLOA_SteerRatio_Uls_f32	37.3851547	
k_TrqLOA_UndersteerGrad_RadpG_f32	0.0208133459	
k_TrqLOA_Wheelbase_M_f32	7.83032274	
t2_TrqLOA_DiffGainY_UIs_u1p15[0][0]	6554	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	8192	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	9503	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	9830	
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	6554	
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	8192	
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	9503	
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	9830	
t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	6554	
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	8192	
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	9503	
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	9830	
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	6554	

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Name	Input Value
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	8192
t2 TrqLOA DiffGainY Uls u1p15[3][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	9830
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	9830
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	8192
t2_TrqLOA_DiffGainY_UIs_u1p15[5][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	9830
t2_TrqLOA_DiffGainY_UIs_u1p15[6][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	9830
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	9830
t_TrqLOA_DiffGainX_G_u2p14[0]	3277
t_TrqLOA_DiffGainX_G_u2p14[1]	4096
t_TrqLOA_DiffGainX_G_u2p14[2]	4751
t_TrqLOA_DiffGainX_G_u2p14[3]	4915 1920
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0] t TrqLOA HighSpeedTrqBlend X Kph u10p6[1]	2240
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	2560
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	2880
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	3200
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	3277
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	6554
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	16384
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	20480
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	21299
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	24576
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	25395
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	28672
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	29491
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	32768
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	33587
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	4915
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	9421
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	15155
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	16384
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	18432
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	20070
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	21709
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	23347
t_TrqLOA_X_Kph_u10p6[0]	576
t_TrqLOA_X_Kph_u10p6[1]	640
t_TrqLOA_X_Kph_u10p6[2] t TrqLOA_X_Kph_u10p6[3]	704 768
	768 832
t_TrqLOA_X_Kph_u10p6[4] t_TrqLOA_X_Kph_u10p6[5]	832 896
t_TrqLOA_X_Kph_u10p6[6]	960
t TrqLOA X Kph u10p6[7]	1024
target Rte Inst Ap TrqLOA.TrqLOA Per1 HandwheelAuthority Uls f32	target TrqLOA Per1 HandwheelAuthority Uls f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecSq_f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_Igc	target_TrqLOA_Per1_LatAccelValid_Cnt_Igc
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc	target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc	target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpeed_Kph_f32
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	1
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	0.305431128
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	0
target_riquer_crit_workgrounkganen_ont_ge.value	
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-112.906868





Name	Input Value		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	9.5098877		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.945905745	0.945905745	✓
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.148525566	0.148525566 ± 0.01	✓
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	✓
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	✓
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.791850328	0.791850328 ± 0.01	✓
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	✓
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0	0 ± 0.01	✓

Test Step 2.5 (Repeat Count = 1)	L. W. L.	
Name	Input Value	
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA	
TrqLOA_LatAccScaleFactor_Uls_M_f32	1	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.200000003	
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0140000004	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-5.65911293	
TrqLOA_TloaCmd_MtrNm_M_f32	-7	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-0.847059309	
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	8.3897934	
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	292.217896	
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-57.2000008	
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	35.2165909	
k_TrqLOA_FallingRampRate_UlspS_f32	-665.315002	
k_TrqLOA_LatAccConversionFactor_Uls_f32	3.95698261	
k_TrqLOA_LimOutput_MtrNm_f32	2.75277615	
k_TrqLOA_MaxScaleFactor_Uls_f32	0.694187999	
k_TrqLOA_MinScaleFactor_Uls_f32	1	
k_TrqLOA_NomDrvTrq_MtrNm_f32	8.71295547	
k_TrqLOA_RisingRampRate_UlspS_f32	72.5325775	
k_TrqLOA_SteerRatio_Uls_f32	48.5321007	
k_TrqLOA_UndersteerGrad_RadpG_f32	0.25	
k_TrqLOA_Wheelbase_M_f32	19.8064346	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	10158	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	12124	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	12780	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	13107	
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	10158	
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	12124	
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	12780	
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	13107	
t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	10158	
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	12124	
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	12780	
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	13107	
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	10158	
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	12124	
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	12780	
t2 TrgLOA DiffGainY Uls u1p15[3][3]	13107	
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	10158	
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	12124	
t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	12780	
t2 TrqLOA DiffGainY Uls u1p15[4][3]	13107	
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	10158	
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	I a la c	
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	12124 12780	
t2_TrqLOA_DiliGain1_Dis_u1p15[5][2] t2_TrqLOA_DiffGain1_Uls_u1p15[5][3]	13107	
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	10158	
t2_TrqLOA_DiliGainY_Uis_u1p15[6][0] t2_TrqLOA_DiffGainY_Uis_u1p15[6][1]	12124	
t2_TrqLOA_DillGainY_Uis_u1p15[6][1] t2_TrqLOA_DiffGainY_Uis_u1p15[6][2]	12780	
	13107	
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	10158	
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	12124	
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	12780	
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	13107	
t_TrqLOA_DiffGainX_G_u2p14[0]	5079	
t_TrqLOA_DiffGainX_G_u2p14[1]	6062	
t_TrqLOA_DiffGainX_G_u2p14[2]	6390	
t_TrqLOA_DiffGainX_G_u2p14[3]	6554	
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	3520	

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Name	Input Value		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	3840		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	4160		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	4480		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	4800		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	3277		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	6554		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	9830		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	13107		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	16384		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	36864		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	37683		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	40960		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	41779		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	45056		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	45875		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	49152		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	49971		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	5734		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	10650		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	15974		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	16794		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	19251		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	20890		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	22938		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	24166		
t_TrqLOA_X_Kph_u10p6[0]	1088		
t_TrqLOA_X_Kph_u10p6[1]	1152		
t_TrqLOA_X_Kph_u10p6[2]	1216		
t_TrqLOA_X_Kph_u10p6[3]	1280		
t_TrqLOA_X_Kph_u10p6[4]	1344		
t_TrqLOA_X_Kph_u10p6[5]	1408		
t_TrqLOA_X_Kph_u10p6[6]	1472		
t_TrqLOA_X_Kph_u10p6[7]	1536		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelA	uthority_Uls_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpS	ecSq_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_Igc	target_TrqLOA_Per1_LatAccelValie	d_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMt	gtnEn_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_	MtrRadpS_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_h	· –	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc	target_TrqLOA_Per1_TrqLOAAvail		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd	-	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSpee	dValid Cnt Igc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target TrqLOA Per1 VehicleSpee		
target TrqLOA Per1 HandwheelAuthority Uls f32.value	1	- · -	
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	2.87261653		
target TrqLOA Per1 LatAccelValid Cnt lgc.value	1		
target TrqLOA Per1 MotAgLoaMtgtnEn Cnt Igc.value	0		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	829.04834		
target TrqLOA Per1 RelHwPos HwDeg f32.value	-375.864563		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	126.835663		
Name	Actual Value	Expected Value	Result
TrqLOA LatAccScaleFactor Uls M f32	0.885599971	0.88560003	Result
TrqLOA_LatAccelSV_g_M_Str.SV_UIs_f32	0.192544758	0.192544758 ± 0.01	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-0.701994181	-0.701994181 ± 0.01	

Test Step 2.6 (Repeat Count = 1)		
Name	Input Value	
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA	
TrqLOA_LatAccScaleFactor_Uls_M_f32	1	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.25	
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0144999996	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	3.59543157	
TrqLOA_TloaCmd_MtrNm_M_f32	-6.5	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	1.39014351	
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	1.27029252	
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	755.878723	

1

0

1

0 ± 0.01

target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value

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TrqLOA_Per1



TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32 -7 TrqLOA_DiffScaleRateLimiterRising_UlspS_f32 4 TrqLOA_FallingRampRate_UlspS_f32 -8 TrqLOA_LatAccConversionFactor_Uls_f32 5 TrqLOA_LimOutput_MtrNm_f32 4 TrqLOA_MaxScaleFactor_Uls_f32 0 TrqLOA_MinScaleFactor_Uls_f32 0 TrqLOA_NinScaleFactor_Uls_f32 4 TrqLOA_NomDrvTrq_MtrNm_f32 4 TrqLOA_RisingRampRate_UlspS_f32 6 TrqLOA_SteerRatio_Uls_f32 8 TrqLOA_SteerRatio_Uls_f32 8 TrqLOA_UndersteerGrad_RadpG_f32 0 TrqLOA_Wheelbase_M_f32 9 TrqLOA_DiffGainy_Uls_u1p15[0][0] 11 2_TrqLOA_DiffGainy_Uls_u1p15[0][1] 11 2_TrqLOA_DiffGainy_Uls_u1p15[0][2] 11 2_TrqLOA_DiffGainy_Uls_u1p15[0][3] 15 2_TrqLOA_DiffGainy_Uls_u1p15[1][0] 11 2_TrqLOA_DiffGainy_Uls_u1p15[1][1] 15 2_TrqLOA_DiffGainy_Uls_u1p15[1][1] 15 2_TrqLOA_DiffGainy_Uls_u1p15[1][1] 15 2_TrqLOA_DiffGainy_Uls_u1p15[1][1] 15 2_TrqLOA_DiffGainy_Uls_u1p15[1][1] 15 2_TrqLOA_DiffGainy_Uls_u1p15[1][2] 17 2_TrqLOA_DiffGainy_Uls_u1p15[1][3] 15	nput Value 72.3093185 12.3036995 874.466431 6.47294426 4.33422327 0.956338644 0.565083027 4.66239977 894.85498 82.5900421 0.25 9.69703865 13763 15729 17039
### TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	874.466431 5.47294426 4.33422327 0.956338644 0.565083027 4.66239977 694.85498 82.5900421 0.25 0.69703865 13763 15729
1. TrqLOA_LatAccConversionFactor_Uls_f32 5. 1. TrqLOA_LimOutput_MtrNm_f32 4. 2. TrqLOA_MaxScaleFactor_Uls_f32 0. 3. TrqLOA_MinScaleFactor_Uls_f32 0. 4. TrqLOA_NomDrvTrq_MtrNm_f32 4. 5. TrqLOA_RisingRampRate_UlspS_f32 6. 6. TrqLOA_SteerRatio_Uls_f32 8. 6. TrqLOA_UndersteerGrad_RadpG_f32 0. 6. TrqLOA_Wheelbase_M_f32 9. 6. TrqLOA_DiffGainY_Uls_u1p15[0][0] 13. 6. TrqLOA_DiffGainY_Uls_u1p15[0][1] 14. 6. TrqLOA_DiffGainY_Uls_u1p15[0][2] 17. 6. TrqLOA_DiffGainY_Uls_u1p15[1][0] 13. 6. TrqLOA_DiffGainY_Uls_u1p15[1][1] 14. 6. TrqLOA_DiffGainY_Uls_u1p15[1][1] 14. 6. TrqLOA_DiffGainY_Uls_u1p15[1][1] 15. 6. TrqLOA_DiffGainY_Uls_u1p15[1][2] 17. 6. TrqLOA_DiffGainY_Uls_u1p15[1][2] 17. 6. TrqLOA_DiffGainY_Uls_u1p15[1][2] 17. 6. TrqLOA_DiffGainY_Uls_u1p15[1][3] 18.	5.47294426 4.33422327 0.956338644 0.565083027 4.66239977 694.85498 82.5900421 0.25 0.69703865 13763 15729
1. TrqLOA_LimOutput_MtrNm_f32 4. 2. TrqLOA_MaxScaleFactor_Uls_f32 0. 3. TrqLOA_MinScaleFactor_Uls_f32 0. 4. TrqLOA_NomDrvTrq_MtrNm_f32 4. 5. TrqLOA_RisingRampRate_UlspS_f32 6. 5. TrqLOA_SteerRatio_Uls_f32 8. 5. TrqLOA_UndersteerGrad_RadpG_f32 0. 6. TrqLOA_Wheelbase_M_f32 9. 7. TrqLOA_DiffGainY_Uls_u1p15[0][0] 13. 7. TrqLOA_DiffGainY_Uls_u1p15[0][1] 14. 7. TrqLOA_DiffGainY_Uls_u1p15[0][2] 17. 7. TrqLOA_DiffGainY_Uls_u1p15[1][0] 13. 7. TrqLOA_DiffGainY_Uls_u1p15[1][1] 14. 7. TrqLOA_DiffGainY_Uls_u1p15[1][1] 15. 7. TrqLOA_DiffGainY_Uls_u1p15[1][1] 15. 7. TrqLOA_DiffGainY_Uls_u1p15[1][2] 17. 7. TrqLOA_DiffGainY_Uls_u1p15[1][2] 17. 7. TrqLOA_DiffGainY_Uls_u1p15[1][2] 17. 7. TrqLOA_DiffGainY_Uls_u1p15[1][2] 17. 7. TrqLOA_DiffGainY_Uls_u1p15[1][3] 15.	4.33422327 0.956338644 0.565083027 4.66239977 694.85498 82.5900421 0.25 0.69703865 13763 15729
TrqLOA_MaxScaleFactor_Uls_f32 TrqLOA_MinScaleFactor_Uls_f32 TrqLOA_NomDrvTrq_MtrNm_f32 TrqLOA_RisingRampRate_UlspS_f32 TrqLOA_SteerRatio_Uls_f32 TrqLOA_UndersteerGrad_RadpG_f32 TrqLOA_UndersteerGrad_RadpG_f32 TrqLOA_Wheelbase_M_f32 TrqLOA_DiffGainY_Uls_u1p15[0][0] TrqLOA_DiffGainY_Uls_u1p15[0][1] TrqLOA_DiffGainY_Uls_u1p15[0][2] TrqLOA_DiffGainY_Uls_u1p15[0][3] TrqLOA_DiffGainY_Uls_u1p15[0][3] TrqLOA_DiffGainY_Uls_u1p15[1][0] TrqLOA_DiffGainY_Uls_u1p15[1][0] TrqLOA_DiffGainY_Uls_u1p15[1][0] TrqLOA_DiffGainY_Uls_u1p15[1][1] TrqLOA_DiffGainY_Uls_u1p15[1][2] TrqLOA_DiffGainY_Uls_u1p15[1][3]	0.956338644 0.565083027 4.66239977 694.85498 62.5900421 0.25 0.69703865 13763 15729
TrqLOA_MinScaleFactor_Uls_f32 0. t_TrqLOA_NomDrvTrq_MtrNm_f32 4. t_TrqLOA_RisingRampRate_UlspS_f32 66 t_TrqLOA_SteerRatio_Uls_f32 8. t_TrqLOA_UndersteerGrad_RadpG_f32 0. t_TrqLOA_Wheelbase_M_f32 9. 2_TrqLOA_DiffGainY_Uls_u1p15[0][0] 13 2_TrqLOA_DiffGainY_Uls_u1p15[0][1] 14 2_TrqLOA_DiffGainY_Uls_u1p15[0][2] 17 2_TrqLOA_DiffGainY_Uls_u1p15[1][0] 13 2_TrqLOA_DiffGainY_Uls_u1p15[1][1] 14 2_TrqLOA_DiffGainY_Uls_u1p15[1][1] 15 2_TrqLOA_DiffGainY_Uls_u1p15[1][2] 17 2_TrqLOA_DiffGainY_Uls_u1p15[1][3] 15	0.565083027 4.66239977 594.85498 52.5900421 0.25 0.69703865 13763 15729
1. TrqLOA_NomDrvTrq_MtrNm_f32 4. 1. TrqLOA_RisingRampRate_UlspS_f32 66 2. TrqLOA_SteerRatio_Uls_f32 87 3. TrqLOA_UndersteerGrad_RadpG_f32 0. 4. TrqLOA_Wheelbase_M_f32 9. 2. TrqLOA_DiffGainY_Uls_u1p15[0][0] 13 2. TrqLOA_DiffGainY_Uls_u1p15[0][1] 14 2. TrqLOA_DiffGainY_Uls_u1p15[0][2] 17 2. TrqLOA_DiffGainY_Uls_u1p15[0][3] 15 2. TrqLOA_DiffGainY_Uls_u1p15[1][0] 13 2. TrqLOA_DiffGainY_Uls_u1p15[1][1] 14 2. TrqLOA_DiffGainY_Uls_u1p15[1][2] 17 2. TrqLOA_DiffGainY_Uls_u1p15[1][2] 17 2. TrqLOA_DiffGainY_Uls_u1p15[1][3] 15	4.66239977 594.85498 52.5900421 5.25 6.69703865 13763 15729
£ TrqLOA RisingRampRate_UlspS_f32 66 £ TrqLOA_SteerRatio_Uls_f32 82 £ TrqLOA_UndersteerGrad_RadpG_f32 0. £ TrqLOA_Wheelbase_M_f32 9. 2 TrqLOA_DiffGainY_Uls_u1p15[0][0] 13 2 TrqLOA_DiffGainY_Uls_u1p15[0][1] 14 2 TrqLOA_DiffGainY_Uls_u1p15[0][2] 17 2 TrqLOA_DiffGainY_Uls_u1p15[0][3] 19 2 TrqLOA_DiffGainY_Uls_u1p15[1][0] 13 2 TrqLOA_DiffGainY_Uls_u1p15[1][1] 14 2 TrqLOA_DiffGainY_Uls_u1p15[1][2] 17 2 TrqLOA_DiffGainY_Uls_u1p15[1][3] 15	594.85498 52.5900421 5.25 6.69703865 13763 15729
8: TrqLOA_SteerRatio_Uls_f32 8: TrqLOA_UndersteerGrad_RadpG_f32 0. 5: TrqLOA_UndersteerGrad_RadpG_f32 9: TrqLOA_DiffGainY_Uls_u1p15[0][0] 1: 2_TrqLOA_DiffGainY_Uls_u1p15[0][1] 1: 2_TrqLOA_DiffGainY_Uls_u1p15[0][2] 1: 2_TrqLOA_DiffGainY_Uls_u1p15[0][3] 1: 2_TrqLOA_DiffGainY_Uls_u1p15[0][3] 1: 2_TrqLOA_DiffGainY_Uls_u1p15[1][0] 1: 2_TrqLOA_DiffGainY_Uls_u1p15[1][0] 1: 2_TrqLOA_DiffGainY_Uls_u1p15[1][1] 1: 2_TrqLOA_DiffGainY_Uls_u1p15[1][2] 1: 2_TrqLOA_DiffGainY_Uls_u1p15[1][2] 1: 2_TrqLOA_DiffGainY_Uls_u1p15[1][3] 1: 1: 2_TrqLOA_DiffGainY_Uls_u1p15[1][3] 1: 1: 2_TrqLOA_DiffGainY_Uls_u1p15[1][3] 1: 1: 2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	32.5900421 0.25 0.69703865 13763 15729 17039
1. TrqLOA_UndersteerGrad_RadpG_f32 0. 2. TrqLOA_Wheelbase_M_f32 9. 2. TrqLOA_DiffGainY_Uls_u1p15[0][0] 1. 2. TrqLOA_DiffGainY_Uls_u1p15[0][1] 1. 2. TrqLOA_DiffGainY_Uls_u1p15[0][2] 1. 2. TrqLOA_DiffGainY_Uls_u1p15[0][3] 1. 2. TrqLOA_DiffGainY_Uls_u1p15[1][0] 1. 2. TrqLOA_DiffGainY_Uls_u1p15[1][1] 1. 2. TrqLOA_DiffGainY_Uls_u1p15[1][2] 1. 2. TrqLOA_DiffGainY_Uls_u1p15[1][3] 1.	0.25 0.69703865 13763 15729 17039
2. TrqLOA_Wheelbase_M_f32 9. 2. TrqLOA_DiffGainY_Uls_u1p15[0][0] 13. 2. TrqLOA_DiffGainY_Uls_u1p15[0][1] 14. 2. TrqLOA_DiffGainY_Uls_u1p15[0][2] 17. 2. TrqLOA_DiffGainY_Uls_u1p15[0][3] 18. 2. TrqLOA_DiffGainY_Uls_u1p15[1][0] 13. 2. TrqLOA_DiffGainY_Uls_u1p15[1][1] 14. 2. TrqLOA_DiffGainY_Uls_u1p15[1][2] 17. 2. TrqLOA_DiffGainY_Uls_u1p15[1][3] 15.	9.69703865 13763 15729 17039
2_TrqLOA_DiffGainY_Uls_u1p15[0][0] 1: 2_TrqLOA_DiffGainY_Uls_u1p15[0][1] 1! 2_TrqLOA_DiffGainY_Uls_u1p15[0][2] 1: 2_TrqLOA_DiffGainY_Uls_u1p15[0][3] 1! 2_TrqLOA_DiffGainY_Uls_u1p15[1][0] 1: 2_TrqLOA_DiffGainY_Uls_u1p15[1][0] 1: 2_TrqLOA_DiffGainY_Uls_u1p15[1][1] 1! 2_TrqLOA_DiffGainY_Uls_u1p15[1][2] 1: 2_TrqLOA_DiffGainY_Uls_u1p15[1][3] 1!	13763 15729 17039
2_TrqLOA_DiffGainY_UIs_u1p15[0][1] 2_TrqLOA_DiffGainY_UIs_u1p15[0][2] 2_TrqLOA_DiffGainY_UIs_u1p15[0][2] 2_TrqLOA_DiffGainY_UIs_u1p15[0][3] 2_TrqLOA_DiffGainY_UIs_u1p15[1][0] 2_TrqLOA_DiffGainY_UIs_u1p15[1][1] 2_TrqLOA_DiffGainY_UIs_u1p15[1][2] 2_TrqLOA_DiffGainY_UIs_u1p15[1][3]	15729 17039
2_TrqLOA_DiffGainY_UIs_u1p15[0][2]	17039
2_TrqLOA_DiffGainY_UIs_u1p15[0][3] 19 2_TrqLOA_DiffGainY_UIs_u1p15[1][0] 13 2_TrqLOA_DiffGainY_UIs_u1p15[1][1] 19 2_TrqLOA_DiffGainY_UIs_u1p15[1][2] 13 2_TrqLOA_DiffGainY_UIs_u1p15[1][3] 19	
2_TrqLOA_DiffGainY_UIs_u1p15[1][0] 13 2_TrqLOA_DiffGainY_UIs_u1p15[1][1] 15 2_TrqLOA_DiffGainY_UIs_u1p15[1][2] 17 2_TrqLOA_DiffGainY_UIs_u1p15[1][3] 15	
2_TrqLOA_DiffGainY_Uls_u1p15[1][1] 19 2_TrqLOA_DiffGainY_Uls_u1p15[1][2] 11 2_TrqLOA_DiffGainY_Uls_u1p15[1][3] 19	13763
2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	15729
	17039
2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	19661
	13763
2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	15729
2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	17039
_ ·	19661
_ ,	13763
_ ·	15729
_ ,	17039
	19661
	13763
	15729
	17039 19661
_ , ,	13763
	15729
	17039
	19661
	13763
	15729
	17039
2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	19661
2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	13763
2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	15729
	17039
_ ,	19661
	5881
	7864
	3520
	9830
	5120 5440
	5760
	5080
	5400
	3277
	5554
	9830
	13107
_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4] 16	16384
_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	53248
	54067
	56115
	56934
	58163
	50211 20224
	80621
	61030
	5554 11878
	16794
	17203
	20070
	21709
	24166

target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value

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Name	Input Value		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	24986		
t_TrqLOA_X_Kph_u10p6[0]	1600		
t_TrqLOA_X_Kph_u10p6[1]	1664		
t_TrqLOA_X_Kph_u10p6[2]	1728		
t_TrqLOA_X_Kph_u10p6[3]	1792		
t_TrqLOA_X_Kph_u10p6[4]	1856		
t_TrqLOA_X_Kph_u10p6[5]	1920		
t_TrqLOA_X_Kph_u10p6[6]	1984		
t_TrqLOA_X_Kph_u10p6[7]	2048		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_Handwhee	lAuthority_Uls_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_Mp	SecSq_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelVa	alid_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoa	MtgtnEn_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF	MtrRadpS_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos	_HwDeg_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpeed_Kph_f32		
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0.579124928		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	2.55771828		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	1821.27563		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-1000		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	275.952087		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.85538137	0.85538137	•
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.234863549	0.234863549 ± 0.01	•
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-2.49504423	-2.49504447 ± 0.01	•
TrqLOA_TloaCmd_MtrNm_M_f32	-2.49504423	-2.49504447 ± 0.01	•
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.956338644	0.956338644 ± 0.01	•
target TrqLOA Per1 TrqLOAAvail Cnt Igc.value	0	0	

-2.49504423

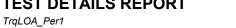
-2.49504447 ± 0.01

Name	Input Value
Rte Inst Ap TrqLOA	target Rte Inst Ap TrqLOA
TrgLOA LatAccScaleFactor Uls M f32	1
TrgLOA_LatAccelSV g M Str.SV UIs f32	0.300000012
FrgLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0149999997
FrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-6.72275496
TrgLOA_ScaledWit TrgCritd_MitNTI_M_132 TrgLOA TloaCmd MtrNm M f32	-6
TrgLOA_Troacind_MitNin_M_i32	2
TrqLOA_TrqBaseuscaleFactor_ols_ini_is2	2.17499852
CTrqLOA_AbsAssistrifieshold_MtrRadpS f32	347.261871
	-44.840065
c_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32 c_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	86.2324982
- · -	-756.371094
<pre>c_TrqLOA_FallingRampRate_UlspS_f32</pre>	1,32888663
<pre>c_TrqLOA_LatAccConversionFactor_Uls_f32</pre>	0.718581259
c_TrqLOA_LimOutput_MtrNm_f32	0.774256825
<pre><_TrqLOA_MaxScaleFactor_Uls_f32</pre>	
C_TrqLOA_MinScaleFactor_Uls_f32	0.954615474
c_TrqLOA_NomDrvTrq_MtrNm_f32	0.232903108
<pre>c_TrqLOA_RisingRampRate_UlspS_f32</pre>	62.9472733
C_TrqLOA_SteerRatio_UIs_f32	96.6698685
x_TrqLOA_UndersteerGrad_RadpG_f32	0.25
<pre><_TrqLOA_Wheelbase_M_f32</pre>	17.6621571
2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	17367
2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	19333
2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	21299
2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	26214
2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	17367
2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	19333
2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	21299
2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	26214
2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	17367
2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	19333
2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	21299
2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	26214





Name	Input Value
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	19333
t2_TrqLOA_DiffGainY_UIs_u1p15[3][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	21299
t2_TrqLOA_DiffGainY_UIs_u1p15[5][3]	26214 17367
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0] t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	21299
t2_TrqLOA_DiffGainY_UIs_u1p15[7][3]	26214
t_TrqLOA_DiffGainX_G_u2p14[0]	8684
t_TrqLOA_DiffGainX_G_u2p14[1]	9667
t_TrqLOA_DiffGainX_G_u2p14[2]	10650
t_TrqLOA_DiffGainX_G_u2p14[3]	13107
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	6720
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	7040
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	7360
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	7680
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	8000
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	3277
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	6554
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	16384
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	4096
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	4915
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	8192
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3] t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	9011
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	13107
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	16384
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	17203
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	7373
t TrqLOA TempTrqCmdSatYTbl MtrNm u4p12[1]	13107
t TrqLOA TempTrqCmdSatYTbl MtrNm u4p12[2]	17613
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	17613
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	20890
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	22528
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	25395
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	25805
t_TrqLOA_X_Kph_u10p6[0]	2112
t_TrqLOA_X_Kph_u10p6[1]	2176
t_TrqLOA_X_Kph_u10p6[2]	2240
t_TrqLOA_X_Kph_u10p6[3]	2304
t_TrqLOA_X_Kph_u10p6[4]	2368
t_TrqLOA_X_Kph_u10p6[5]	2432
t_TrqLOA_X_Kph_u10p6[6]	2496
t_TrqLOA_X_Kph_u10p6[7]	2560
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecSq_f32
target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_LatAccelValid_Cnt_Igc	target_TrqLOA_Per1_LatAccelValid_Cnt_lgc
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc	target_TrqLOA_Per1_RelHwPos_HwDeg_f32 target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc
target_Rte_inst_Ap_frqLOA.frqLOA_Peri_frqLOAAvaii_Cnt_igc target_Rte_inst_Ap_frqLOA.frqLOA_Peri_frqLOACmd_MtrNm_f32	target_IrqLOA_Peri_IrqLOAAvaii_Cnt_igc target_TrqLOA_Peri_TrqLOACmd_MtrNm_f32
target_Rte_inst_Ap_frqLOA.frqLOA_Peri_irqLOAcmd_mtrnm_rsz target_Rte_inst_Ap_frqLOA.frqLOA_Peri_vehicleSpeedValid_Cnt_lgc	target_IrqLOA_Peri_IrqLOACmd_mtrNm_r32 target TrqLOA Peri_VehicleSpeedValid Cnt_lgc
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_vehicleSpeed_Kph_f32
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0.603896022
	6.27994013
target figloa Peri Latacc Midsecsu isz.value	
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value target TrqLOA Per1_LatAccelValid Cnt lgc.value	1





Name	Input Value		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	1000		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	469.321564		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.910319865	0.910319865	~
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.305908352	0.305908352 ± 0.01	✓
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	1.16507566	1.16507542 ± 0.01	✓
TrqLOA_TloaCmd_MtrNm_M_f32	0.718581259	0.718581259 ± 0.01	✓
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.954615474	0.954615474 ± 0.01	~
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	✓
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0.718581259	0.718581259 ± 0.01	✓

Test Step 2.8 (Repeat Count = 1)		
Name	Input Value	
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA	
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.935303211	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.349999994	
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0154999997	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-1.36703587	
TrqLOA_TloaCmd_MtrNm_M_f32	-5.5	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.730413675	
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	5.13476944	
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	565.453003	
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-79.9842224	
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	55.5632286	
k_TrqLOA_FallingRampRate_UlspS_f32	-646.1427	
k_TrqLOA_LatAccConversionFactor_Uls_f32	0.968328416	
k_TrqLOA_LimOutput_MtrNm_f32	7.56691027	
k_TrqLOA_MaxScaleFactor_Uls_f32	0.38239193	
k_TrqLOA_MinScaleFactor_Uls_f32	1	
k_TrqLOA_NomDrvTrq_MtrNm_f32	8.75238705	
k_TrqLOA_RisingRampRate_UlspS_f32	693.429382	
k_TrqLOA_SteerRatio_Uls_f32	49.4194031	
k_TrqLOA_UndersteerGrad_RadpG_f32	0.25	
k_TrqLOA_Wheelbase_M_f32	18.5747547	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	655	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	2458	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	4915	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	6226	
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	655	
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	2458	
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	4915	
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	6226	
t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	655	
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	2458	
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	4915	
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	6226	
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	655	
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	2458	
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	4915	
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	6226	
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	655	
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	2458	
t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	4915	
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	6226	
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	655	
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	2458	
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	4915	
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	6226	
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	655	
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	2458	
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	4915	
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	6226	
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	655	
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	2458	
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	4915	
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	6226	
t_TrqLOA_DiffGainX_G_u2p14[0]	10486	
t_TrqLOA_DiffGainX_G_u2p14[1]	11469	
t_TrqLOA_DiffGainX_G_u2p14[2]	12780	
t_TrqLOA_DiffGainX_G_u2p14[3]	16384	





Name	Input Value		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	8320		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	8640		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	8960		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	9280		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	9600		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	3277		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	6554		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	9830		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	13107		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	16384		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	20480		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	21299		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	24576		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	25395		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	28672		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	29491		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	32768		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	33587		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	8192		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	14336		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	18432		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	18022		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	21709		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	23347		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	26624		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	26624		
t_TrqLOA_X_Kph_u10p6[0]	2624		
t_TrqLOA_X_Kph_u10p6[1]	2688		
t_TrqLOA_X_Kph_u10p6[2]	2752		
t_TrqLOA_X_Kph_u10p6[3]	2816		
t_TrqLOA_X_Kph_u10p6[4]	2880		
t_TrqLOA_X_Kph_u10p6[5]	2944		
t_TrqLOA_X_Kph_u10p6[6]	3008		
t_TrqLOA_X_Kph_u10p6[7]	3072		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelA		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpS		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_Igc	target_TrqLOA_Per1_LatAccelVali		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaM		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_	_	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_I		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc	target_TrqLOA_Per1_TrqLOAAvai		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmo		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSpee		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpee	ed_Kph_f32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	1		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-4.03180599		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-970.46582		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	255		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	239.056885		1
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.775334775	0.775334775	~
TrqLOA_LatAccelSV_g_M_Str.SV_UIs_f32	0.349366665	0.349372685 ± 0.01	~
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	~
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	~
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	1	1 ± 0.01	~
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	~
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0	0 ± 0.01	✓

Test Step 2.9 (Repeat Count = 1)		✓
Name	Input Value	
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA	
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.386923671	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.400000006	
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0160000008	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-2.25017142	
TrqLOA_TloaCmd_MtrNm_M_f32	-5	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-1.50114989	
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	3.29628921	





Name	Input Value
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	118.545525
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-97.4050827
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	65.1571655
k_TrqLOA_FallingRampRate_UlspS_f32	-180.683548
k_TrqLOA_LatAccConversionFactor_Uls_f32	9.771945
k_TrqLOA_LimOutput_MtrNm_f32	0.855211735
k_TrqLOA_MaxScaleFactor_Uls_f32	1
k_TrqLOA_MinScaleFactor_Uls_f32	0.73919785
k_TrqLOA_NomDrvTrq_MtrNm_f32	4.23845387
k_TrqLOA_RisingRampRate_UlspS_f32	282.893677
k_TrqLOA_SteerRatio_Uls_f32	74.9537659
k_TrqLOA_UndersteerGrad_RadpG_f32	0.25
k_TrqLOA_Wheelbase_M_f32	6.75685263
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	8192
t2_TrqLOA_DiffGainY_UIs_u1p15[0][2]	9503 9830
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3] t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	6554
t2_TrqLOA_DiliGainY_Uls_u1p15[1][0]	8192
t2_TrqLOA_DiffGainY_UIs_u1p15[1][1]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	9830
t2_TrqLOA_DiffGainY_UIs_u1p15[1][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	9830
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	9830
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	9830
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	9830
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	9830
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	6554
t2_TrqLOA_DiffGainY_UIs_u1p15[7][1]	8192 9503
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2] t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	0000
t_TrqLOA_DiffGainX_G_u2p14[0]	9830
t TrqLOA DiffGainX G u2p14[1]	13271
t_TrqLOA_DiffGainX_G_u2p14[2]	14909
t TrqLOA DiffGainX G u2p14[3]	19661
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	9920
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	10240
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	10560
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	10880
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	11200
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	3277
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	6554
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	16384
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	36864
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	37683
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	40960
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	41779
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	45056
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	45875
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	49152
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	49971
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	9011
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	15565
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	19251 18432
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3] t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	18432 22528
t TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	24166
	ETIOU

target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value

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Name	Input Value		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	27853		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	27443		
t_TrqLOA_X_Kph_u10p6[0]	3136		
t_TrqLOA_X_Kph_u10p6[1]	3200		
t_TrqLOA_X_Kph_u10p6[2]	3264		
t_TrqLOA_X_Kph_u10p6[3]	3328		
t_TrqLOA_X_Kph_u10p6[4]	3392		
t_TrqLOA_X_Kph_u10p6[5]	3456		
t_TrqLOA_X_Kph_u10p6[6]	3520		
t_TrqLOA_X_Kph_u10p6[7]	3584		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelA	uthority_Uls_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpS	ecSq_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelValid	d_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMt	gtnEn_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_I	MtrRadpS_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_H	lwDeg_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc	target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd	_MtrNm_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc	target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpee	d_Kph_f32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0.0280352831		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-3.22382641		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-442.008911		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	0		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	232.319672		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.299987793	0.299987793	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.393600017	0.393599987 ± 0.01	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-0.935362518	-0.935362577 ± 0.01	•
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	

0

0 ± 0.01

Name	Input Value	
Rte Inst Ap TrqLOA	target Rte Inst Ap TrqLOA	
TrqLOA LatAccScaleFactor Uls M f32	1	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.449999988	
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0164999999	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	8.80000019	
TrqLOA_TloaCmd_MtrNm_M_f32	-4.5	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	1.39562833	
C_TrqLOA_AbsAssistThreshold_MtrNm_f32	3.50173283	
x_TrqLOA_AbsVelThreshold_MtrRadpS_f32	273.207611	
x_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-36.3950081	
_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	24.804491	
<pre><_TrqLOA_FallingRampRate_UlspS_f32</pre>	-524.556824	
_TrqLOA_LatAccConversionFactor_Uls_f32	8.5640192	
_TrqLOA_LimOutput_MtrNm_f32	3.37794185	
_TrqLOA_MaxScaleFactor_Uls_f32	0.959547281	
_TrqLOA_MinScaleFactor_Uls_f32	1	
c_TrqLOA_NomDrvTrq_MtrNm_f32	3.03419685	
_TrqLOA_RisingRampRate_UlspS_f32	12.2064705	
C_TrqLOA_SteerRatio_Uls_f32	40.7518044	
_TrqLOA_UndersteerGrad_RadpG_f32	0.25	
r_TrqLOA_Wheelbase_M_f32	16.9196377	
2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	10158	
2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	12124	
2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	12780	
2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	13107	
2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	10158	
2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	12124	
2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	12780	
2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	13107	
2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	10158	
2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	12124	
2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	12780	

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Name	Input Value
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	12780
t2_TrqLOA_DiffGainY_UIs_u1p15[3][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	12124 12780
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2] t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	12780
t2_TrqLOA_DiffGainY_UIs_u1p15[6][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	13107
t_TrqLOA_DiffGainX_G_u2p14[0]	14090
t_TrqLOA_DiffGainX_G_u2p14[1]	15073
t_TrqLOA_DiffGainX_G_u2p14[2]	17039
t_TrqLOA_DiffGainX_G_u2p14[3]	22938
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	11520
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	11840
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	12160
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	12480
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	12800
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	3277
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	6554
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	16384 53248
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0] t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	54067
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	56115
t TrqLOA_LatAccGain Y MtrNmpG u4p12[3]	56934
t TrqLOA LatAccGain Y MtrNmpG u4p12[4]	58163
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	60211
t TrqLOA LatAccGain Y MtrNmpG u4p12[6]	60621
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	61030
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	9830
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	16794
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	20070
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	18842
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	23347
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	24986
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	29082
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	28262
t_TrqLOA_X_Kph_u10p6[0]	3648
t_TrqLOA_X_Kph_u10p6[1]	3712
t_TrqLOA_X_Kph_u10p6[2]	3776
t_TrqLOA_X_Kph_u10p6[3]	3840
t_TrqLOA_X_Kph_u10p6[4]	3904
t_TrqLOA_X_Kph_u10p6[5]	3968
t_TrqLOA_X_Kph_u10p6[6]	4032
t_TrqLOA_X_Kph_u10p6[7]	4096
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32 target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32 target_TrqLOA_Per1_LatAcc_MpSecSq_f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Perl_LatAcce_MpSecSq_isz target_Rte_Inst_Ap_TrqLOA.TrqLOA_Perl_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelValid_Cnt_lgc
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_HwDeg_f32
target Rte Inst Ap TrqLOA.TrqLOA Per1 TrqLOAAvail Cnt Igc	target TrqLOA Per1 TrqLOAAvail Cnt Igc
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpeed_Kph_f32
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	1
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-0.578490138
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	0





Name	Input Value		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-1839.10022		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-592		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	265.125061		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.927209973	0.927209973	✓
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.427665889	0.427663118 ± 0.01	✓
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-3.19882917	-3.19882917 ± 0.01	✓
TrqLOA_TloaCmd_MtrNm_M_f32	-3.19882917	-3.19882917 ± 0.01	✓
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	1	1 ± 0.01	✓
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	✓
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	-3.19882917	-3.19882917 ± 0.01	✓

Name	
TrqLOA_LatAccScaleFactor_Uls_M_f32 TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32 O.5 TrqLOA_LatAccelSV_g_M_Str.KV_Uls_f32 O.05 TrqLOA_LatAccelSV_g_M_Str.KV_Uls_f32 O.07 TrqLOA_ToaCmd_MtrNm_M_f32 A.1 TrqLOA_ToaCmd_MtrNm_M_f32 A.2 A.2 TrqLOA_ToaCmd_MtrNm_M_f32 A.3 TrqLOA_ToaCmd_MtrNm_M_f32 A.3 TrqLOA_DasaedScaleFactor_Uls_M_f32 A.778944 A.7778944 A.7778944 A.7778944 A.7778944 A.7778945 A.77810A_AbsAssistThreshold_MtrNm_f32 A.778945 A.77810A_DiffScaleRateLimiterFalling_UlspS_f32 A.7789467 A.77810A_DiffScaleRateLimiterFalling_UlspS_f32 A.7789467 A.77810A_DiffScaleRateLimiterFalling_UlspS_f32 A.77810A_DiffScaleRateLimiterFalling_UlspS_f32 A.77810A_DiffScaleRateLimiterFalling_UlspS_f32 A.77810A_DiffScaleRateLimiterFalling_UlspS_f32 A.77810A_FallingRampRate_UlspS_f32 A.77810A_FallingRampRate_UlspS_f32 A.77810A_LatAccConversionFactor_Uls_f32 A.77810A_LatAccConversionFactor_Uls_f32 A.77810A_MasScaleFactor_Uls_f32 A.77810A_MasScaleFactor_Uls_f32 A.77810A_MinScaleFactor_Uls_f32 A.77810A_MinScaleFactor_Uls_f32 A.77810A_MinScaleFactor_Uls_f32 A.77810A_RisingRampRate_UlspS_f32 A.77810A_RisingRampRate_UlspS_f32 A.77810A_RisingRampRate_UlspS_f32 A.77810A_RisingRampRate_UlspS_f32 A.77810A_RisingRampRate_UlspS_f32 A.77810A_RisingRampRate_UlspS_f32 A.77810A_DiffGainy_Uls_ulp15[0][0] A.7782 A.77810A_DiffGainy_Uls_ulp15[0][1] A.77810A_DiffGainy_Uls_ulp15	Fral OA
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TrqLOA_ScaledMtrTrqCmd_MtrNm_M_132	
TqLOA_Troacmd_MtrNm_M_132	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	
LTIQLOA_AbsAssistThreshold_MtrNm_[32] LTIQLOA_AbsVelThreshold_MtrRadpS_[732] LTIQLOA_DiffScaleRateLimiterFalling_UlspS_[732] LTIQLOA_DiffScaleRateLimiterFalling_UlspS_[732] LTIQLOA_DiffScaleRateLimiterFalling_UlspS_[732] LTIQLOA_DiffScaleRateLimiterFalling_UlspS_[732] LTIQLOA_EallingRampRate_UlspS_[732] LTIQLOA_LatAccConversionFactor_Uls_[732] LTIQLOA_LimOutput_MtrNm_[732] LTIQLOA_LimOutput_MtrNm_[732] LTIQLOA_LimOutput_MtrNm_[732] LTIQLOA_MinScaleFactor_Uls_[732] LTIQLOA_MinScaleFactor_Uls_[732] LTIQLOA_NomDrvTrq_MtrNm_[732] LTIQLOA_NomDrvTrq_MtrNm_[732] LTIQLOA_NomDrvTrq_MtrNm_[732] LTIQLOA_UndersteerCrad_RadpG_[732] LTIQLOA_UndersteerCrad_RadpG_[732] LTIQLOA_UndersteerCrad_RadpG_[732] LTIQLOA_UndersteerCrad_RadpG_[732] LTIQLOA_UndersteerCrad_RadpG_[732] LTIQLOA_DiffGainry_Uls_u1p15[0][0] LTIQLOA_DiffGainry_Uls_u1p15[0][1] LTIQLOA_DiffGainry_Uls_u1p15[0][1] LTIQLOA_DiffGainry_Uls_u1p15[0][1] LTIQLOA_DiffGainry_Uls_u1p15[0][2] LTIQLOA_DiffGainry_Uls_u1p15[0][3] LTIQLOA_DiffGainry_Uls_u1p15[1][0] LTIQLOA_DiffGainry_Uls_u1p15[1][0] LTIQLOA_DiffGainry_Uls_u1p15[1][2] LTIQLOA_DiffGainry_Uls_u1p15[1][2] LTIQLOA_DiffGainry_Uls_u1p15[2][2] LTIQLOA_DiffGainry_Uls_u1p15[2][2] LTIQLOA_DiffGainry_Uls_u1p15[2][2] LTIQLOA_DiffGainry_Uls_u1p15[2][2] LTIQLOA_DiffGainry_Uls_u1p15[2][3] LTIQLOA_DiffGainry_Uls_u1p15[2][3] LTIQLOA_DiffGainry_Uls_u1p15[3][3] LTIQLOA_DiffGainry_	
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2_TrqLOA_DiffGainY_Uls_u1p15[7][1] 15729 2_TrqLOA_DiffGainY_Uls_u1p15[7][2] 17039	
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2_TIQLOA_DIIIGAIIT_UIS_UTP13[7][3] 19661	
Test OA DiffCoix C (2014/0)	
_TrqLOA_DiffGainX_G_u2p14[0]	
_TrqLOA_DiffGainX_G_u2p14[1] 16876 _TrqLOA_DiffGainX_G_u2p14[2] 19169	

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Name	Input Value		
t_TrqLOA_DiffGainX_G_u2p14[3]	26214		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	13120		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	13440		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	13760		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	14080		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	14400		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	3277		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	6554		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	9830		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	13107		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	16384		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	4096		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	4915		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	8192		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	9011		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	12288		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	13107		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	16384		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	17203		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	10650		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	18022		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	20890		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	19251		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	24166		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	25805		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	30310		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	29082		
t_TrqLOA_X_Kph_u10p6[0]	4160		
t_TrqLOA_X_Kph_u10p6[1]	4224		
t_TrqLOA_X_Kph_u10p6[2]	4288		
t_TrqLOA_X_Kph_u10p6[3]	4352		
t_TrqLOA_X_Kph_u10p6[4]	4416		
t_TrqLOA_X_Kph_u10p6[5]	4480		
t_TrqLOA_X_Kph_u10p6[6]	4544		
t_TrqLOA_X_Kph_u10p6[7]	4608		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthority_	_Uls_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecSq_f3	2	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelValid_Cnt_lg	jc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_Igc	target_TrqLOA_Per1_MotAgLoaMtgtnEn_C	Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrRadp	S_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_HwDeg_f	32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc	target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgd	С	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_MtrNm_	_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSpeedValid_0	Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpeed_Kph_f	32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	1		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	1.21517611		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	0		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-1463.47729		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	221.003494		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	224.927643		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.849539578	0.849539578	•
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.498035997	0.498035997 ± 0.01	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	•
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.0216306448	0.0216306448 ± 0.01	•
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0	0 ± 0.01	•

Test Step 2.12 (Repeat Count = 1)		✓.
Name	Input Value	
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA	
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.403138161	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.550000012	
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0175000001	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	2.27528882	
TrqLOA_TloaCmd_MtrNm_M_f32	-3.5	
Trol OA TroBasedScaleEactor Uls M f32	-0.692390919	





Name	Input Value
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	7.58443165
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	927.774658
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-94.6221161
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	63.6255188
k_TrqLOA_FallingRampRate_UlspS_f32	-313.735229
k_TrqLOA_LatAccConversionFactor_Uls_f32	3.31031489
k_TrqLOA_LimOutput_MtrNm_f32	4.22883606
k_TrqLOA_MaxScaleFactor_Uls_f32 k_TrqLOA_MinScaleFactor_Uls_f32	0.838027477 1
k_TrqLOA_NomDrvTrq_MtrNm_f32	4.91779709
k_TrqLOA_RisingRampRate_UlspS_f32	378.169434
k_TrqLOA_SteerRatio_Uls_f32	21.556879
k_TrqLOA_UndersteerGrad_RadpG_f32	0.25
k_TrqLOA_Wheelbase_M_f32	16.2824841
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	26214
t2_TrqLOA_DiffGainY_UIs_u1p15[4][0]	17367 19333
t2_TrqLOA_DiffGainY_UIs_u1p15[4][1] t2_TrqLOA_DiffGainY_UIs_u1p15[4][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	19333
t2_TrqLOA_DiffGainY_UIs_u1p15[5][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	26214
t_TrqLOA_DiffGainX_G_u2p14[0]	17695
t_TrqLOA_DiffGainX_G_u2p14[1]	18678
t_TrqLOA_DiffGainX_G_u2p14[2]	21299
t_TrqLOA_DiffGainX_G_u2p14[3]	29491
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	14720
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	15040
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	15360
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	15680
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	16000
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0] t TrqLOA HighSpeedTrqBlend Y Uls u1p15[1]	3277 6554
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	16384
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	20480
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	21299
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	24576
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	25395
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	28672
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	29491
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	32768
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	33587
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	11469
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	19251
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	21709
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	19661
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	24986

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Name	Input Value		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	26624		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	31539		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	29901		
t_TrqLOA_X_Kph_u10p6[0]	4672		
t_TrqLOA_X_Kph_u10p6[1]	4736		
t_TrqLOA_X_Kph_u10p6[2]	4800		
t_TrqLOA_X_Kph_u10p6[3]	4864		
t_TrqLOA_X_Kph_u10p6[4]	4928		
t_TrqLOA_X_Kph_u10p6[5]	4992		
t_TrqLOA_X_Kph_u10p6[6]	5056		
t_TrqLOA_X_Kph_u10p6[7]	5120		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuth	ority_Uls_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecS	6q_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_Igc	target_TrqLOA_Per1_LatAccelValid_C	Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMtgtn	En_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_Mtrl	RadpS_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_HwD	0eg_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc	target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpeed_Kph_f32		
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	1		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-3.16734862		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	0		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-1395.95569		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	388.426361		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	394.863647		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.529998779	0.529998779	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.561278999	0.561278999 ± 0.01	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0.0826489776	0.0826489702 ± 0.01	•
TrqLOA_TloaCmd_MtrNm_M_f32	0.0826489776	0.0826489702 ± 0.01	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.0639479756	0.0639479533 ± 0.01	•
target TrgLOA Per1 TrgLOAAvail Cnt lgc.value	0	0	

0.0826489776

0.0826489702 ± 0.01

Test Step 2.13 (Repeat Count = 1)	Local Maria
Name	Input Value
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA
FrqLOA_LatAccScaleFactor_Uls_M_f32	1
FrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.60000024
FrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0179999992
FrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-6.56088591
FrqLOA_TloaCmd_MtrNm_M_f32	-3
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-0.649484217
c_TrqLOA_AbsAssistThreshold_MtrNm_f32	4.52225447
c_TrqLOA_AbsVelThreshold_MtrRadpS_f32	855.912842
c_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-13.8163471
<pre>c_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32</pre>	83.0125198
_TrqLOA_FallingRampRate_UlspS_f32	-80.8626328
_TrqLOA_LatAccConversionFactor_Uls_f32	1.45001364
_TrqLOA_LimOutput_MtrNm_f32	1.74174845
<pre>c_TrqLOA_MaxScaleFactor_Uls_f32</pre>	0.49027431
_TrqLOA_MinScaleFactor_Uls_f32	1
c_TrqLOA_NomDrvTrq_MtrNm_f32	8.08836651
C_TrqLOA_RisingRampRate_UlspS_f32	368.683472
_TrqLOA_SteerRatio_Uls_f32	23.0188789
_TrqLOA_UndersteerGrad_RadpG_f32	0.25
_TrqLOA_Wheelbase_M_f32	9.51464558
2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	655
2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	2458
2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	4915
2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	6226
2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	655
2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	2458
2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	4915
2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	6226
2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	655
2 TrqLOA DiffGainY Uls u1p15[2][1]	2458

 $target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value$





Name	Input Value
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3] t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	6226 655
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	6226
t2_TrqLOA_DiffGainY_UIs_u1p15[6][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	2458
12_TrqLOA_DiffGainY_Uls_u1p15[6][2]	4915
12_TrqLOA_DiffGainY_Uls_u1p15[6][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	655
12_TrqLOA_DiffGainY_Uls_u1p15[7][1]	2458
12_TrqLOA_DiffGainY_Uls_u1p15[7][2]	4915
12_TrqLOA_DiffGainY_Uls_u1p15[7][3]	6226
t_TrqLOA_DiffGainX_G_u2p14[0]	328
_TrqLOA_DiffGainX_G_u2p14[1]	1229
t_TrqLOA_DiffGainX_G_u2p14[2]	2458
t_TrqLOA_DiffGainX_G_u2p14[3]	3113
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	16320
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	16640
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	16960
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	17280
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	17600
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	3277
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	6554
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	16384 36864
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0] t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	37683
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	40960
t_TrqLOA_tatAccGain_Y_MtrNmpG_u4p12[3]	41779
t TrqLOA LatAccGain Y MtrNmpG u4p12[4]	45056
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	45875
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	49152
t TrqLOA LatAccGain Y MtrNmpG u4p12[7]	49971
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	12288
t TrqLOA TempTrqCmdSatYTbl MtrNm u4p12[1]	20480
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	22528
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	20070
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	25805
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	27443
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	32768
TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	30720
t_TrqLOA_X_Kph_u10p6[0]	5184
t_TrqLOA_X_Kph_u10p6[1]	5248
:_TrqLOA_X_Kph_u10p6[2]	5312
TrqLOA_X_Kph_u10p6[3]	5376
t_TrqLOA_X_Kph_u10p6[4]	5440
t_TrqLOA_X_Kph_u10p6[5]	5504
:_TrqLOA_X_Kph_u10p6[6]	5568
:_TrqLOA_X_Kph_u10p6[7]	5632
rarget_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32
arget_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecSq_f32
rarget_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_Igc	target_TrqLOA_Per1_LatAccelValid_Cnt_lgc
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32 target Rte Inst Ap TrqLOA.TrqLOA Per1 RelHwPos HwDeg f32	target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32 target_TrqLOA_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_ReIHwPos_HwDeg_f32 target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc	target_IrqLOA_Per1_ReIHwPos_HwDeg_T32 target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc
arget_Rte_inst_Ap_1rqLOA.1rqLOA_Per1_1rqLOAAvaii_Cnt_igc arget_Rte_inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_IrqLOA_Peri_IrqLOAAvaii_Cnt_igc target_TrqLOA_Peri_TrqLOACmd_MtrNm_f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACInd_IntitNfn_is2 target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_vehicleSpeedValid_Cnt_lgc
	target_TrqLOA_Per1_VehicleSpeed_Kph_f32
target Rte Inst An Trol OA Trol OA Per1 VehicleSpeed Knh f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32 target_Trgl_OA_Per1_HandwheelAuthority_Uls_f32_value	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32 target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	0.090705514 0.422303379

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TrqLOA_Per1

Name	Input Value		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	1569.99622		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	700.895996		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	89.0243835		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.972367287	0.972367287	~
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.612959445	0.612959445 ± 0.01	✓
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0.0640946478	0.0640946329 ± 0.01	~
TrqLOA_TloaCmd_MtrNm_M_f32	0.0640946478	0.0640946329 ± 0.01	✓
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.0878827572	0.0878827348 ± 0.01	✓
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	✓
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0.0640946478	0.0640946329 ± 0.01	<u> </u>

Test Step 2.14 (Repeat Count = 1)		
Name	Input Value	
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA	
TrqLOA_LatAccScaleFactor_Uls_M_f32	1	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.649999976	
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0185000002	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	7.2180357	
TrqLOA_TloaCmd_MtrNm_M_f32	-2.5	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.340875268	
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	9.84898376	
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	846.358887	
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-77.936348	
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	72.3617096	
<_TrqLOA_FallingRampRate_UlspS_f32	-861.899231	
k_TrqLOA_LatAccConversionFactor_Uls_f32	7.44272804	
<_TrqLOA_LimOutput_MtrNm_f32	1.15138853	
<pre>c_TrqLOA_MaxScaleFactor_Uls_f32</pre>	0.901087523	
c_TrqLOA_MinScaleFactor_Uls_f32	1	
k_TrqLOA_NomDrvTrq_MtrNm_f32	7.09603024	
k_TrqLOA_RisingRampRate_UlspS_f32	583.057068	
k_TrqLOA_SteerRatio_Uls_f32	28.1238441	
k_TrqLOA_UndersteerGrad_RadpG_f32	0.25	
k_TrqLOA_Wheelbase_M_f32	5.62831402	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	6554	
2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	8192	
2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	9503	
2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	9830	
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	6554	
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	8192	
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	9503	
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	9830	
t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	6554	
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	8192	
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	9503	
12_TrqLOA_DiffGainY_Uls_u1p15[2][3]	9830	
2_TrqLOA_DiffGainY_UIs_u1p15[3][0]	6554	
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	8192	
2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	9503	
2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	9830	
2 TrqLOA DiffGainY Uls u1p15[4][0]	6554	
2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	8192	
2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	9503	
2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	9830	
2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	6554	
2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	8192	
	9503	
2_TrqLOA_DiffGainY_Uls_u1p15[5][2] 2_TrqLOA_DiffGainY_Uls_u1p15[5][3]		
	9830	
2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	6554	
2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	8192	
2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	9503	
2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	9830	
2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	6554	
2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	8192	
2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	9503	
2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	9830	
t_TrqLOA_DiffGainX_G_u2p14[0]	3277	
_TrqLOA_DiffGainX_G_u2p14[1]	4096	





Name	Input Value		
t_TrqLOA_DiffGainX_G_u2p14[2]	4751		
t_TrqLOA_DiffGainX_G_u2p14[3]	4915		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	17920		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	18240		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	18560		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	18880		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	19200		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	3277		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	6554		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	9830		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	13107		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	16384		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	53248		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	54067		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	56115		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	56934		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	58163		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	60211		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	60621		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	61030		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	13107		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	21709		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	23347		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	20480		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	26624		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	28262		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	33997		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	31539		
t_TrqLOA_X_Kph_u10p6[0]	5696		
t_TrqLOA_X_Kph_u10p6[1]	5760		
t_TrqLOA_X_Kph_u10p6[2]	5824 5888		
t_TrqLOA_X_Kph_u10p6[3]	5952		
t_TrqLOA_X_Kph_u10p6[4]	6016		
t_TrqLOA_X_Kph_u10p6[5] t_TrqLOA_X_Kph_u10p6[6]	6080		
t_TrqLOA_X_Kph_u10p6[7]	6144		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_Handwhee	MAuthority I lle f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_traindwheelAdinonty_0is_i32	target_TrqLOA_Per1_LatAcc_Mp		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target TrqLOA Per1 LatAccelVa		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_Igc	target_TrqLOA_Per1_MotAgLoal		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos		
target Rte Inst Ap TrqLOA.TrqLOA Per1 TrqLOAAvail Cnt Igc	target_TrqLOA_Per1_TrqLOAAv		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target TrqLOA Per1 TrqLOACn		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc	target_TrqLOA_Per1_VehicleSpe		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target TrqLOA Per1 VehicleSpe		
target TrgLOA Per1 HandwheelAuthority Uls f32.value	0.828065395		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-10		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-1079.4718		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-804.789978		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	362.635925		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.844127297	0.844127297	- I.out
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.601803422	0.601803422 ± 0.01	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-3.24986959	-3.24986959 ± 0.01	
TrqLOA_Scalcdinit TrqOring_WarNin_W_IS2	-1.15138853	-1.15138853 ± 0.01	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	1	1 ± 0.01	
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	-1.15138853	-1.15138853 ± 0.01	

Test Step 2.15 (Repeat Count = 1)	✓
Name	Input Value
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.652236581
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.100000001
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0189999994
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	7.55757761
TrqLOA_TloaCmd_MtrNm_M_f32	-2





Name	Input Value
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-0.049941957
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	2.01070285
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	236.626678
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-48.0307465
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	31.2210598
k_TrqLOA_FallingRampRate_UlspS_f32	-586.345642
k_TrqLOA_LatAccConversionFactor_Uls_f32	6.62290382
k_TrqLOA_LimOutput_MtrNm_f32	4.41483879
k_TrqLOA_MaxScaleFactor_Uls_f32	1
k_TrqLOA_MinScaleFactor_Uls_f32	0.264312625
k_TrqLOA_NomDrvTrq_MtrNm_f32	5.95242167
k_TrqLOA_RisingRampRate_UlspS_f32	570.876648
k_TrqLOA_SteerRatio_Uls_f32	3.08604932
k_TrqLOA_UndersteerGrad_RadpG_f32	0.0252596289
k_TrqLOA_Wheelbase_M_f32	1.45060885
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	10158 12124
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[0][2] t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	12124
t2_TrqLOA_DiffGainY_UIs_u1p15[2][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0] t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	12780
t2 TrqLOA DiffGainY Uls u1p15[7][3]	13107
t TrqLOA DiffGainX G u2p14[0]	5079
t TrqLOA DiffGainX G u2p14[1]	6062
t_TrqLOA_DiffGainX_G_u2p14[2]	6390
t_TrqLOA_DiffGainX_G_u2p14[3]	6554
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	19520
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	19840
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	20160
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	20480
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	20800
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	3277
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	6554
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	16384
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	4096
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	4915
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	8192
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	9011
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	12288
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	13107
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	16384
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	17203
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	13926
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	22938 24166
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	20890

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Name	Input Value		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	27443		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	29082		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	35226		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	32358		
t_TrqLOA_X_Kph_u10p6[0]	6208		
t_TrqLOA_X_Kph_u10p6[1]	6272		
t_TrqLOA_X_Kph_u10p6[2]	6336		
t_TrqLOA_X_Kph_u10p6[3]	6400		
t_TrqLOA_X_Kph_u10p6[4]	6464		
t_TrqLOA_X_Kph_u10p6[5]	6528		
t_TrqLOA_X_Kph_u10p6[6]	6592		
t_TrqLOA_X_Kph_u10p6[7]	6656		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthorit	y_Uls_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecSq_	<u>f</u> 32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelValid_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMtgtnEn_	_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_HwDeg_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc	target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpeed_Kph_f32		
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	1		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	10		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	876.956238		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-210.713165		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	33.52005		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.556175113	0.556175113	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	-0.021463953	-0.0214639828 ± 0.01	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-0.0189343765	-0.0189344287 ± 0.01	
TrqLOA_TloaCmd_MtrNm_M_f32	-0.0189343765	-0.0189344287 ± 0.01	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	1	1 ± 0.01	•
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	Ō	0	•
toward Tayloo David Tayloo Occid Mitables 600 codus	0.0400040705	0.0400044007 + 0.04	

Name	Input Value
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA
rqLOA_LatAccScaleFactor_Uls_M_f32	0.776284695
rqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.150000006
rqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0195000004
rqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	1.24753368
rqLOA_TloaCmd_MtrNm_M_f32	-1.5
rqLOA_TrqBasedScaleFactor_Uls_M_f32	0.569226027
_TrqLOA_AbsAssistThreshold_MtrNm_f32	0.412324548
_TrqLOA_AbsVelThreshold_MtrRadpS_f32	915.442993
_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-60.6968346
_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	64.6097565
_TrqLOA_FallingRampRate_UlspS_f32	-277.900177
_TrqLOA_LatAccConversionFactor_Uls_f32	0.526169777
_TrqLOA_LimOutput_MtrNm_f32	8.80000019
_TrqLOA_MaxScaleFactor_Uls_f32	0.879272461
_TrqLOA_MinScaleFactor_Uls_f32	1
z_TrqLOA_NomDrvTrq_MtrNm_f32	6.4326005
_TrqLOA_RisingRampRate_UlspS_f32	153.534256
_TrqLOA_SteerRatio_Uls_f32	51.1181374
_TrqLOA_UndersteerGrad_RadpG_f32	0.25
_TrqLOA_Wheelbase_M_f32	19.2125759
2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	13763
2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	15729
2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	17039
2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	19661
2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	13763
2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	15729
2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	17039
2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	19661
2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	13763

-0.0189343765

-0.0189344287 ± 0.01

 $target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value$

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Name	Input Value
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	13763
t2_TrqLOA_DiffGainY_UIs_u1p15[3][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	17039
t2_TrqLOA_DiffGainY_UIs_u1p15[4][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	17039 19661
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3] t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	19661
t_TrqLOA_DiffGainX_G_u2p14[0]	6881
t_TrqLOA_DiffGainX_G_u2p14[1]	7864
t_TrqLOA_DiffGainX_G_u2p14[2]	8520
t_TrqLOA_DiffGainX_G_u2p14[3]	9830
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	21120
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	21440
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	21760
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	22080
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	22400
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	6554
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	16384
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	19661
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	20480
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	21299
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	24576
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	25395 28672
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	29491
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5] t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	32768
t TrqLOA_LatAccGain Y MtrNmpG u4p12[7]	33587
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	4096
t TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	8192
t TrqLOA TempTrqCmdSatYTbl MtrNm u4p12[2]	14336
t TrqLOA TempTrqCmdSatYTbl MtrNm u4p12[3]	15974
t TrqLOA TempTrqCmdSatYTbl MtrNm u4p12[4]	17613
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	19251
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	20480
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	22528
t_TrqLOA_X_Kph_u10p6[0]	6720
t_TrqLOA_X_Kph_u10p6[1]	6784
t_TrqLOA_X_Kph_u10p6[2]	6848
t_TrqLOA_X_Kph_u10p6[3]	6912
t_TrqLOA_X_Kph_u10p6[4]	6976
t_TrqLOA_X_Kph_u10p6[5]	7040
t_TrqLOA_X_Kph_u10p6[6]	7104
t_TrqLOA_X_Kph_u10p6[7]	7168
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecSq_f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_Igc	target_TrqLOA_Per1_LatAccelValid_Cnt_Igc
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOAAvail_Cnt_Igc
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpeed_Kph_f32
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	3.5
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	ე.:0

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Name	Input Value		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-1269.96204		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	646.436951		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	281.711426		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.654891014	0.654891014	✓
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.162403747	0.162403747 ± 0.01	✓
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0.00152588892	0.00152595004 ± 0.01	✓
TrqLOA_TloaCmd_MtrNm_M_f32	0.00152588892	0.00152595004 ± 0.01	✓
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.876294553	0.876294553 ± 0.01	✓
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	✓
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0.00152588892	0.00152595004 ± 0.01	✓

Test Step 2.17 (Repeat Count = 1) Name	Input Value	
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA	
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.982143283	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.20000003	
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0199999996	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-6.9605794	
TrqLOA_TloaCmd_MtrNm_M_f32	-1	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-1.19092691	
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	5.60962009	
k TrqLOA AbsVelThreshold MtrRadpS f32	515.822083	
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-32.9132347	
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	51.4809647	
k_TrqLOA_FallingRampRate_UlspS_f32	-416.867584	
k TrgLOA LatAccConversionFactor Uls f32	2.92874336	
<pre><_TrqLOA_LimOutput_MtrNm_f32</pre>	2.28109956	
k_TrqLOA_Emiouput_murrin_io2 k_TrqLOA_MaxScaleFactor_Uls_f32	1	
k_TrqLOA_MinScaleFactor_Uls_f32	1	
k TrgLOA NomDrvTrg MtrNm f32	0.981505513	
k TrgLOA RisingRampRate UlspS f32	452.399811	
k_TrqLOA_steerRatio_Uls_f32	57.01577	
k_rrqLOA_steerRatio_ots_ts2 k_trqLOA_UndersteerGrad_RadpG_f32	0.217999741	
- ·		
k_TrqLOA_Wheelbase_M_f32	15.5838728	
t2_TrqLOA_DiffGainY_UIs_u1p15[0][0]	17367	
t2_TrqLOA_DiffGainY_UIs_u1p15[0][1]	19333	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	21299	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	26214	
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	17367	
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	19333	
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	21299	
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	26214	
t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	17367	
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	19333	
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	21299	
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	26214	
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	17367	
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	19333	
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	21299	
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	26214	
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	17367	
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	19333	
t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	21299	
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	26214	
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	17367	
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	19333	
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	21299	
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	26214	
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	17367	
12_TrqLOA_DiffGainY_Uls_u1p15[6][1]	19333	
12_TrqLOA_DiffGainY_UIs_u1p15[6][2]	21299	
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	26214	
12_TrqLOA_DiffGainY_Uls_u1p15[7][0]	17367	
12_TrqLOA_DiffGainY_Uls_u1p15[7][1]	19333	
2_TrqLOA_DiffGainY_UIs_u1p15[7][2]	21299	
t2_TrqLOA_DiffGainY_UIs_u1p15[7][3]	26214	
t_TrqLOA_DiffGainX_G_u2p14[0]	8684	
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Name	Input Value		
t_TrqLOA_DiffGainX_G_u2p14[1]	9667		
t_TrqLOA_DiffGainX_G_u2p14[2]	10650		
t_TrqLOA_DiffGainX_G_u2p14[3]	13107		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	22720		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	23040		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	23360		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	23680		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	24000		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	6554		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	9830		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	13107		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	16384		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	19661		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	36864		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	37683		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	40960		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	41779		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	45056		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	45875		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	49152		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	49971		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	4915		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	9421		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	15155		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	16384		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	18432		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	20070		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	21709		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	23347		
t_TrqLOA_X_Kph_u10p6[0]	7232		
t_TrqLOA_X_Kph_u10p6[1]	7296		
t_TrqLOA_X_Kph_u10p6[2]	7360		
t_TrqLOA_X_Kph_u10p6[3]	7424		
t_TrqLOA_X_Kph_u10p6[4]	7488		
t_TrqLOA_X_Kph_u10p6[5]	7552		
t_TrqLOA_X_Kph_u10p6[6]	7616		
t_TrqLOA_X_Kph_u10p6[7]	7680	Authority III- 500	
target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_Handwhee		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_Mp		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_Igc	target_TrqLOA_Per1_LatAccelVa	,	
target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_Igc	target_TrqLOA_Per1_MotAgLoal		
target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF		
target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_		
target_Rte_Inst_Ap_TrqLOA.TrqLOA.Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOAAva		
target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACm		
target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc	target_TrqLOA_Per1_VehicleSpe		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpe	eu_npil_i32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0.747072339		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	0		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	755.382446		
	-463.46756		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-463.46756		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	58.6060486		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value		Even a start Mal	P
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.916316807	0.916316807	•
TrqLOA_LatAccelSV_g_M_Str.SV_UIs_f32	0.192429781	0.192429766 ± 0.01	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-0	0 ± 0.01	•
TrqLOA_TloaCmd_MtrNm_M_f32	-0	0 ± 0.01	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32 target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	-0.286127269 0	-0.28612721 ± 0.01	

Test Step 2.18 (Repeat Count = 1)		✓
Name	Input Value	
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA	
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.505558729	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.25	
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0205000006	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	4.91599369	

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TrqLOA_Per1



Name	Input Value
TrqLOA_TloaCmd_MtrNm_M_f32	-0.5
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-1.51502144
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	4.62375116
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	245.138199
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-41.4325523
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	75.942955
k_TrqLOA_FallingRampRate_UlspS_f32	-920.135132
k_TrqLOA_LatAccConversionFactor_Uls_f32	4.55265713
k_TrqLOA_LimOutput_MtrNm_f32	5.21092319
k_TrqLOA_MaxScaleFactor_Uls_f32 k_TrqLOA_MinScaleFactor_Uls_f32	0.378737688
k_TrqLOA_NomDrvTrq_MtrNm_f32	8.80000019
k TrqLOA RisingRampRate UlspS f32	350.725677
k_TrqLOA_SteerRatio_Uls_f32	83.0911789
k_TrqLOA_UndersteerGrad_RadpG_f32	0.25
k_TrqLOA_Wheelbase_M_f32	9.46714211
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	4915
t2_TrqLOA_DiffGainY_UIs_u1p15[3][3]	6226
t2_TrqLOA_DiffGainY_UIs_u1p15[4][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	2458
t2_TrqLOA_DiffGainY_UIs_u1p15[4][2]	4915 6226
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3] t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	2458
t2_TrqLOA_DiffGainY_UIs_u1p15[6][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	6226
t_TrqLOA_DiffGainX_G_u2p14[0]	10486
t_TrqLOA_DiffGainX_G_u2p14[1]	11469
t_TrqLOA_DiffGainX_G_u2p14[2]	12780
t_TrqLOA_DiffGainX_G_u2p14[3]	16384
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	320
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	640
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	960
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	1280
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	1600
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	6554
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	13107 16384
t_TrqLOA_HighSpeedTrqBlend_Y_UIs_u1p15[3]	19661
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4] t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	53248
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	54067
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	56115
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	56934
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	58163
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	60211
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	60621
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	61030
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	5734
t_frqLOA_remprrqCindSatrrbi_MitrMin_d4p12[0]	
t_rqLOA_rempriqcinidsatribi_within_u4p12[0]	10650

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Name	Input Value		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	16794		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	19251		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	20890		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	22938		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	24166		
t_TrqLOA_X_Kph_u10p6[0]	7744		
t_TrqLOA_X_Kph_u10p6[1]	7808		
t_TrqLOA_X_Kph_u10p6[2]	7872		
t_TrqLOA_X_Kph_u10p6[3]	7936		
t_TrqLOA_X_Kph_u10p6[4]	8000		
t_TrqLOA_X_Kph_u10p6[5]	8064		
t_TrqLOA_X_Kph_u10p6[6]	8128		
t_TrqLOA_X_Kph_u10p6[7]	8192		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthority_U	Jls_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecSq_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelValid_Cnt_lgc	;	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cr	nt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrRadpS	5_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_HwDeg_f3	2	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_MtrNm_t	f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc	target_TrqLOA_Per1_VehicleSpeedValid_Cr	nt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpeed_Kph_f3	2	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	1		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-6.5		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-326.482697		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	357.54599		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc.value	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	155.51593		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.42269361	0.42269361	•
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.250011116	0.250011116 ± 0.01	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	•
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-0.813570082	-0.813570082 ± 0.01	
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0	0 ± 0.01	

Test Step 2.19 (Repeat Count = 1)	
Name	Input Value
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA
TrqLOA_LatAccScaleFactor_Uls_M_f32	1
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.30000012
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0209999997
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-7.58292675
TrqLOA_TloaCmd_MtrNm_M_f32	0
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	2
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	4.32580423
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	148.017395
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-69.9315414
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	15.7676144
k_TrqLOA_FallingRampRate_UlspS_f32	-966.635803
k_TrqLOA_LatAccConversionFactor_Uls_f32	2.4797616
k_TrqLOA_LimOutput_MtrNm_f32	7.05347157
k_TrqLOA_MaxScaleFactor_Uls_f32	0.598368287
k_TrqLOA_MinScaleFactor_Uls_f32	0.892256141
k_TrqLOA_NomDrvTrq_MtrNm_f32	1.2165494
k_TrqLOA_RisingRampRate_UlspS_f32	460.667969
k_TrqLOA_SteerRatio_Uls_f32	92.3100281
k_TrqLOA_UndersteerGrad_RadpG_f32	0.027917102
k_TrqLOA_Wheelbase_M_f32	10.9195976
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	9830
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	9503
t2_TrqLOA_DiffGainY_UIs_u1p15[1][3]	9830





2. Track.D. Diseaser, Use, priscipii 6954 2. Track.D. Diseaser, Use, priscipii 6903 3. Track.D. Diseaser, Use, priscipii 6903 4. Track.D. Diseaser	Name	Input Value
2. Tracko, Different Us. share SEPT		
Part		
2_Tria_CA_PRESSON_Bu_styleStyleStyleStyleStyleStyleStyleStyleS		
2 Toto, D. Discour Usu styristics		9830
Part	t2_TrqLOA_DiffGainY_UIs_u1p15[3][0]	6554
2_Triq O_PRIGNAT_UBSPEEQED	t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	8192
12_TricQ.D. Directory Us., ptp154[0]	t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	9503
2_TRICO_D DRIGINARY US. \$\text{styles 10 }	t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	9830
Part	t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	6554
12_TricQ.D. DRIGGINY Us. y1515[3] 850 854 12_TricQ.D. DRIGGINY Us. y1515[3] 852 852 853	t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	8192
2. TotaQ.D. Diffication V. Us., pth p58(91) 8192 2. TotaQ.D. Diffication V. White Psic psic psic psic psic psic psic psic p		
2_TrigCAD_DITIONS**/ Use_styl=5[3][7] 6192 2_TrigCAD_DITIONS**/ Use_styl=5[3][7] 6563 2_TrigCAD_DITIONS**/ Use_styl=5[3][7] 6192 2_TrigCAD_DITIONS**, Zupi+6[4] 1227 2_TrigCAD_DITIONS**, Zupi+6[4] 1227 2_TrigCAD_DITIONS**, Zupi+6[4] 1927 2_TrigCAD_DITIONS**, Zupi+6[4] 1927 2_TrigCAD_DITIONS**, Zupi+6[4] 1927 2_TrigCAD_DITIONS**, Zupi+6[4] 1920 2_TrigCAD_DITIONS**,		
2_Tri_CO_A_Difficative_Ustri_15[8][7] 9830		
Part		
Part		
2_TriQ_A_DRTGamY_Us_vir_15(0) 15(0		
2_TriqCAD_Difficativy_Usi_upi_19[8]		
2_Tric(A_D_Millor, Usu_utp15(1)] 850 851 852 2_Tric(A_D_Millor, Usu_utp15(1)] 853 852 2_Tric(A_D_Millor, Usu_utp15(1)] 853		
2. Tra(.D.A. Difficativ, Uis. μ1957[1] 554 2. Tra(.D.A. Difficativ, Uis. μ1957[2] 593 2. Tra(.D.A. Difficativ, Uis. μ1957[3] 593 2. Tra(.D.A. Difficativ, Uis. μ1957[3] 593 2. Tra(.D.A. Difficativ, C. u2954[0] 12288 2. Tra(.D.A. Difficativ, C. u2954[0] 13271 2. Tra(.D.A. Difficativ, C. u2954[0] 1490 2. Tra(.D.A. HighspeedTrightent, X. Kpt., u1995[0] 190 2. Tra(.D.A. HighspeedTrightent, X. Kpt., u1995[0] 289 2. Tra(.D.A. HighspeedTrightent, X. Kpt., u1995[0] 289 2. Tra(.D.A. HighspeedTrightent, Y. Lin, u1995[0] 393 2. Tra(.D.A. HighspeedTrightent, Y. Lin, u1995[0] 499 2. Tra(.D.A.		
2_Triq CA_D_PIRGAINY_Uss_up157[7]		
2. Troj.C.A. DifficantY Usu Up15(T)[3] 9830 LTqi,C.A. DifficantY Usu Up15(T)[3] 9830 LTqi,C.A. DifficantX C. Uz014[0] 12288 LTqi,C.A. DifficantX C. Uz014[0] 13271 LTqi,C.A. DifficantX C. Uz014[0] 1400 LTqi,C.A. DifficantX C. Uz014[0] 1400 LTqi,C.A. Uj05(Sept of Tigled X Xch_u10p4[0] 1920 LTqi,C.A. Lights Sept of Tigled X Xch_u10p4[0] 1920 LTqi,C.A. Lights Sept of Tigled X Xch_u10p4[0] 2240 LTqi,C.A. Lights Sept of Tigled X Xch_u10p4[0] 2240 LTqi,C.A. Lights Sept of Tigled X Xch_u10p4[0] 2240 LTqi,C.A. Lights Sept of Tigled X Xch_u10p4[0] 2860 LTqi,C.A. Lights Sept of Tigled X Xch_u10p4[0] 2000 LTqi,C.A.		
2_Triq_O_D_DiffGainY_Us_up167[3] 890		
LTRIG Q.D. DITGGANX G. JU201451 13271 13		
LTRUCA D. Diffsam, G. g. go.j 443 1966 1920		12288
Tra(LO, AlphSpeedTraBlend, X, Kph_u10p6[0] 1920	t_TrqLOA_DiffGainX_G_u2p14[1]	13271
TracloA HighSpeedTraglend X, Kph_u10p8[1] 2240	t_TrqLOA_DiffGainX_G_u2p14[2]	14909
LTrqLOA. HighSpeedTrqBlend X, Kph_u10p6[1] 2860 LTrqLOA. HighSpeedTrqBlend X, Kph_u10p6[2] 2860 LTrqLOA. HighSpeedTrqBlend X, Kph_u10p6[2] 2860 LTrqLOA. HighSpeedTrqBlend X, Kph_u10p6[4] 3200 LTrqLOA. HighSpeedTrqBlend Y, Lph_u10p6[4] 3200 LTrqLOA. HighSpeedTrqBlend Y, Us_u1p15[0] 6554 LTrqLOA. HighSpeedTrqBlend Y, Us_u1p15[1] 9830 LTrqLOA. HighSpeedTrqBlend Y, Us_u1p15[2] 13107 LTrqLOA. HighSpeedTrqBlend Y, Us_u1p15[2] 13107 LTrqLOA. HighSpeedTrqBlend Y, Us_u1p15[2] 19884 LTrqLOA. HighSpeedTrqBlend Y, Us_u1p15[2] 19884 LTrqLOA. HighSpeedTrqBlend Y, Us_u1p15[2] 4966 LTrqLOA. LidhocSain Y, Minning Usp12[2] 4915 LTrqLOA. LidhocSain Y, Minning Usp12[2] 4916 LTrqLOA. LidhocSain Y, Minning Usp12[2] 4916 LTrqLOA. LidhocSain Y, Minning Usp12[2] 4917 LTrqLOA. TempTrqCmdSstYTD, Minnin Usp12[2] 4918 LTrqLOA. PempTrqCmdSstYTD, Minnin Us	t_TrqLOA_DiffGainX_G_u2p14[3]	19661
CTRICOA HighSpeedTrigBlend X Kph_u10p8[2] 2560 CTRICOA HighSpeedTrigBlend X Kph_u10p8[3] 2880 288	t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	1920
TrqLOA HighSpeedTrqBlend X Kph_u10p6[4] 3200 TrqLOA HighSpeedTrqBlend X Vph_u10p6[4] 3200 TrqLOA HighSpeedTrqBlend Y, Vlb_u1p15[9] 6554 TrqLOA HighSpeedTrqBlend Y, Vlb_u1p15[9] 9830 TrqLOA HighSpeedTrqBlend Y, Vlb_u1p15[9] 13107 TrqLOA HighSpeedTrqBlend Y, Vlb_u1p15[3] 16384 TrqLOA HighSpeedTrqBlend Y, Vlb_u1p15[4] 19861 TrqLOA HighSpeedTrqBlend Y, Vlb_u1p15[4] 19861 TrqLOA HighSpeedTrqBlend Y, Vlb_u1p15[4] 19861 TrqLOA LindxcGain Y, MinningG_u4p12[7] 4915 TrqLOA LindxcGain Y, MinningG_u4p12[7] 4915 TrqLOA LindxcGain Y, MinningG_u4p12[8] 4916 TrqLOA LindxcGain Y, MinningG_u4p12[8] 13107 TrqLOA LindxcGain Y, MinningG_u4p12[8] 13107 TrqLOA LindxcGain Y, MinningG_u4p12[9] 13288 TrqLOA LindxcGain Y, MinningG_u4p12[9] 13107 TrqLOA LindxcGain Y, MinningG_u4p12[9] 17203 TrqLOA LindxcGain Y, MinningG_u4p12[9] 17203 TrqLOA TempTrqCmdsSaftY Minning U4p12[9] 24166 TrqLOA X (xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	
TrqLOA_HighSpeedTrqBlend_Y_Ubutp15[0] 6554		
LTra(LOA_HighSpeedTrqBlend_Y_Uis_upts[5]] 9830 LTra(LOA_HighSpeedTrqBlend_Y_Uis_upts[5]] 9830 LTra(LOA_HighSpeedTrqBlend_Y_Uis_upts[5]] 13107 LTra(LOA_HighSpeedTrqBlend_Y_Uis_upts[5]] 13307 LTra(LOA_HighSpeedTrqBlend_Y_Uis_upts[5]] 15384 LTra(LOA_HighSpeedTrqBlend_Y_Uis_upts[5]] 19961 LTra(LOA_HighSpeedTrqBlend_Y_Uis_upts[5]] 19961 LTra(LOA_LidAcGGin_Y_MinningC_upts[2]] 19961 LTra(LOA_LidAcGGin_Y_MinningC_upts[2]] 19961 LTra(LOA_LidAcGGin_Y_MinningC_upts[2]] 1991 LTra(LOA_LidAcGGin_Y_MinningC_upts[2]] 1991 LTra(LOA_LidAcGGin_Y_MinningC_upts[2]] 12288 LTra(LOA_LidAcGGin_Y_MinningC_upts[2]] 12288 LTra(LOA_LidAcGGin_Y_MinningC_upts[2]] 12288 LTra(LOA_LidAcGGin_Y_MinningC_upts[2]] 13307 LTra(LOA_LidAcGGin_Y_MinningC_upts[2]] 13307 LTra(LOA_LidAcGGin_Y_MinningC_upts[2]] 17203 LTra(LOA_LidAcGGin_Y_MinningC_upts[2]] 17203 LTra(LOA_LidAcGGin_Y_MinningC_upts[2]] 17203 LTra(LOA_LidAcGGin_Y_MinningC_upts[2]] 17203 LTra(LOA_TempTra(CmdSatYToL_Minnin_upts[2]] 17203 LTra(LOA_TempTra(CmdSatYToL_M		
TrqLOA HighSpeedTrqBlend Y_Uls_ulp15[1] 9830 TrqLOA HighSpeedTrqBlend Y_Uls_ulp15[2] 13107 TrqLOA HighSpeedTrqBlend Y_Uls_ulp15[3] 16384 TrqLOA LighGspeedTrqBlend Y_Uls_ulp15[3] 16384 TrqLOA LighGspeedTrqBlend Y_Uls_ulp15[3] 19961 TrqLOA LatAccGain Y_MtrNmpG_usp12[0] 4995 TrqLOA LatAccGain Y_MtrNmpG_usp12[2] 4915 TrqLOA LatAccGain Y_MtrNmpG_usp12[3] 9011 TrqLOA LatAccGain Y_MtrNmpG_usp12[3] 9011 TrqLOA LatAccGain Y_MtrNmpG_usp12[3] 12288 TrqLOA LatAccGain Y_MtrNmpG_usp12[6] 16384 TrqLOA LatAccGain Y_MtrNmpG_usp12[6] 16384 TrqLOA LatAccGain Y_MtrNmpG_usp12[7] 17203 TrqLOA TempTrqCmdssYTb_MtrNm_usp12[1] 1878 TrqLOA TempTrqCmdssYTb_MtrNm_usp12[1] 1879 TrqLOA TempTrqCmdssYTb_MtrNm_usp12[3] 17203 TrqLOA TempTrqCmdssYTb_MtrNm_usp12[3] 17203 TrqLOA TempTrqCmdssYTb_MtrNm_usp12[4] 20070 TrqLOA TempTrqCmdssYTb_MtrNm_usp12[6] 24166 TrqLOA TempTrqCmdssYTb_MtrNm_usp12[6] 24166 TrqLOA TempTrqCmdssYTb_MtrNm_usp12[6] 24166 TrqLOA TempTrqCmdssYTb_MtrNm_usp12[6] 24166 TrqLOA X_Kpn_u10p6[1] 8320 TrqLOA X_Kpn_u10p6[1] 8320 TrqLOA X_Kpn_u10p6[6] 8544 TrqLOA X_Kpn_u10p6[6] 8542 TrqLOA X_Kpn_u10p6[6] 8542 TrqLOA X_Kpn_u10p6[6] 8542 TrqLOA X_Kpn_u10p6[6] 8542 TrqLOA X_Kpn_u10p6[6] 8640 TrqLOA X_Kpn_u10p6[6] 8640 TrqLOA X_Kpn_u10p6[6] 8640 TrqLOA X_Kpn_u10p6[7] 8724 target_TrqLOA TrqLOA Perl_HandwheelAuthority_Uis_172 target_TrqLOA X_Kpn_u10p6[6] 4474 target_TrqLOA X_Kpn_u10p6[6] 4474 target_TrqLOA X_Kpn_u10p6[7] 4474 target_TrqLOA X_Kpn_u10p6[7] 4474 target_TrqLOA X_Kpn_u10p		
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t_TrqLOA_X_Kph_u10p6[3]		
t_TrqLOA_X_Kph_u10p6[4] 8512 t_TrqLOA_X_Kph_u10p6[5] 8576 t_TrqLOA_X_Kph_u10p6[6] 8640 t_TrqLOA_X_Kph_u10p6[7] 8704 target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_HandwheelAuthority_Uls_f32 target_Rte_Inst_Ap_TrqLOA_Per1_LatAcc_MpSecSq_f32 target_TrqLOA_Per1_LatAcc_MpSecSq_f32 target_Rte_Inst_Ap_TrqLOA_Per1_LatAccelValid_Cnt_lgc target_Rte_Inst_Ap_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc target_Rte_Inst_Ap_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc target_Rte_Inst_Ap_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_TrqLOA_Per1_RelHwPos_HwDeg_f32 target_TrqLOA_Per1_RelHwPos_HwDeg_f32 target_TrqLOA_Per1_RelHwPos_HvDeg_f32 target_TrqLOA_Per1_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc target_Rte_Inst_Ap_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32 target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32		
t_TrqLOA_X_Kph_u10p6[5] 8576 t_TrqLOA_X_Kph_u10p6[6] 8640 t_TrqLOA_X_Kph_u10p6[7] 8704 target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_HandwheelAuthority_Uls_f32 target_Rte_Inst_Ap_TrqLOA_Per1_LatAcc_MpSecSq_f32 target_Rte_Inst_Ap_TrqLOA_Per1_LatAcc_MpSecSq_f32 target_Rte_Inst_Ap_TrqLOA_Per1_LatAccelValid_Cnt_lgc target_Rte_Inst_Ap_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc target_Rte_Inst_Ap_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc target_Rte_Inst_Ap_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_TrqLOA_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_TrqLOA_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc target_Rte_Inst_Ap_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc target_Rte_Inst_Ap_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc target_Rte_Inst_Ap_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32 target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32		
t_TrqLOA_X_kph_u10p6[6] 8640 t_TrqLOA_X_kph_u10p6[7] 8704 target_Rte_Inst_Ap_TrqLOA_Per1_HandwheelAuthority_Uls_f32 target_Rte_Inst_Ap_TrqLOA_Per1_LatAcc_MpSecSq_f32 target_Rte_Inst_Ap_TrqLOA_Per1_LatAcc_MpSecSq_f32 target_Rte_Inst_Ap_TrqLOA_Per1_LatAccelValid_Cnt_lgc target_Rte_Inst_Ap_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc target_Rte_Inst_Ap_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_TrqLOA_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_TrqLOA_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32 target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32		
t_TrqLOA_X_kph_u10p6[7] target_Rte_Inst_Ap_TrqLOA_Per1_HandwheelAuthority_UIs_f32 target_Rte_Inst_Ap_TrqLOA_Per1_LatAcc_MpSecSq_f32 target_Rte_Inst_Ap_TrqLOA_Per1_LatAcc_MpSecSq_f32 target_Rte_Inst_Ap_TrqLOA_Per1_LatAccelValid_Cnt_lgc target_Rte_Inst_Ap_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc target_Rte_Inst_Ap_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_TrqLOA_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_TrqLOA_Per1_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32 target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32		
target_Rte_Inst_Ap_TrqLOA_Per1_HandwheelAuthority_Uls_f32 target_Rte_Inst_Ap_TrqLOA_Per1_LatAcc_MpSecSq_f32 target_Rte_Inst_Ap_TrqLOA_Per1_LatAcc_MpSecSq_f32 target_Rte_Inst_Ap_TrqLOA_Per1_LatAccelValid_Cnt_lgc target_Rte_Inst_Ap_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc target_Rte_Inst_Ap_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_TrqLOA_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32 target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32		
target_Rte_Inst_Ap_TrqLOA_Per1_LatAcc_MpSecSq_f32 target_Rte_Inst_Ap_TrqLOA_Per1_LatAcc_MpSecSq_f32 target_Rte_Inst_Ap_TrqLOA_Per1_LatAccelValid_Cnt_lgc target_Rte_Inst_Ap_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc target_Rte_Inst_Ap_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_TrqLOA_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_TrqLOA_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_TrqLOA_Per1_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc target_Rte_Inst_Ap_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc target_Rte_Inst_Ap_TrqLOA_Per1_TrqLOACmd_MtrNm_f32 target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32		
target_Rte_Inst_Ap_TrqLOA_Per1_LatAccelValid_Cnt_lgc target_Rte_Inst_Ap_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc target_Rte_Inst_Ap_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_TrqLOA_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_TrqLOA_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_TrqLOA_Per1_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc target_Rte_Inst_Ap_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc target_Rte_Inst_Ap_TrqLOA_Per1_TrqLOACmd_MtrNm_f32 target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32		
target_Rte_Inst_Ap_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_TrqLOA_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_TrqLOA_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_TrqLOA_Per1_TrqLOAAvail_Cnt_Igc target_Rte_Inst_Ap_TrqLOA_Per1_TrqLOACmd_MtrNm_f32 target_Rte_Inst_Ap_TrqLOA_Per1_TrqLOACmd_MtrNm_f32 target_Rte_Inst_Ap_TrqLOA_Per1_TrqLOACmd_MtrNm_f32		
target_Rte_Inst_Ap_TrqLOA_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_TrqLOA_Per1_TrqLOAAvail_Cnt_Igc target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32 target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32 target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32 target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_HwDeg_f32
	target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_TrqLOA_Per1_VehicleSpeed_Kph_f32 target_TrqLOA_Per1_VehicleSpeed_Kph_f32		
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value 1	target_IrqLUA_Per1_HandwneelAuthority_Uls_f32.value	





Name	Input Value		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	2.951581		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	0		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	689.795654		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-207.207138		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	142.005035		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.860136926	0.860136926	~
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.285196543	0.285196543 ± 0.01	~
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-0.22293061	-0.222930625 ± 0.01	~
TrqLOA_TloaCmd_MtrNm_M_f32	-0.22293061	-0.222930625 ± 0.01	~
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.892256141	0.892256141 ± 0.01	~
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	✓
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	-0.22293061	-0.222930625 ± 0.01	~

Test Step 2.20 (Repeat Count = 1)	
Name	Input Value
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.760919571
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.34999994
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0215000007
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	5.85893965
TrqLOA_TloaCmd_MtrNm_M_f32	0.5
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-0.0278873444
<pre><_TrqLOA_AbsAssistThreshold_MtrNm_f32</pre>	3.29880762
<pre>x_TrqLOA_AbsVelThreshold_MtrRadpS_f32</pre>	101.334595
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-30.5762386
k TrqLOA DiffScaleRateLimiterRising UlspS f32	49.3492393
k_TrqLOA_FallingRampRate_UlspS_f32	-224.786346
TrqLOA LatAccConversionFactor Uls f32	10
x_TrqLOA_LimOutput_MtrNm_f32	8.21726894
<pre></pre>	0.136131763
k_TrqLOA_MinScaleFactor_Uls_f32	0.551099062
k_TrqLOA_NomDrvTrq_MtrNm_f32	8.80000019
<pre><_rrqLOA_RisingRampRate_UlspS_f32</pre>	153.018997
k_TrqLOA_SteerRatio_Uls_f32	46.068264
<pre><_rrqLOA_UndersteerGrad_RadpG_f32</pre>	0.25
k TrgLOA Wheelbase M f32	14.9741869
2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	12124
12 TrqLOA DiffGainY Uls u1p15[0][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	10158
12_TrqLOA_DiffGainY_Uls_u1p15[1][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	13107
t2_TrqLOA_DiliGain1_Uis_u1p15[1][0] t2_TrqLOA_DiffGainY_Uis_u1p15[2][0]	10158
	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1] t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	12780
	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	10158
2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	12124
2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	
12_TrqLOA_DiffGainY_UIs_u1p15[3][2]	12780
2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	13107
2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	10158
2_TrqLOA_DiffGainY_UIs_u1p15[4][1]	12124
2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	12780
2_TrqLOA_DiffGainY_UIs_u1p15[4][3]	13107
2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	10158
2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	12124
2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	12780
2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	13107
2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	10158
2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	10158
2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	13107





Name	Input Value		
t_TrqLOA_DiffGainX_G_u2p14[0]	14090		
t_TrqLOA_DiffGainX_G_u2p14[1]	15073		
t_TrqLOA_DiffGainX_G_u2p14[2]	17039		
t_TrqLOA_DiffGainX_G_u2p14[3]	22938		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	3520		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	3840		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	4160		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	4480		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	4800		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	6554		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	9830		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	13107		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	16384		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	19661		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	20480		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	21299		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	24576		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	25395		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	28672		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	29491		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	32768		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	33587		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	7373		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	13107		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	17613		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	17613		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	20890		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	22528		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	25395		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	25805		
t_TrqLOA_X_Kph_u10p6[0]	8768		
t_TrqLOA_X_Kph_u10p6[1]	8832		
t_TrqLOA_X_Kph_u10p6[2]	8896		
t_TrqLOA_X_Kph_u10p6[3]	8960		
t_TrqLOA_X_Kph_u10p6[4]	9024		
t_TrqLOA_X_Kph_u10p6[5]	9088		
t_TrqLOA_X_Kph_u10p6[6]	9152		
t_TrqLOA_X_Kph_u10p6[7]	9216	Authority III- 500	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_Handwheel		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_Mp target TrqLOA Per1_LatAccelVa		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_Igc	target TrqLOA_Per1_LatAccerva		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target TrqLOA_FeT_MotAgLoan	·	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc	target TrqLOA Per1 TrqLOAAva		
target Rte Inst Ap TrqLOA.TrqLOA Per1 TrqLOACmd MtrNm f32	target TrgLOA Per1 TrgLOACm	,	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc	target_TrqLOA_Per1_VehicleSpe		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target TrqLOA_Fer1_VehicleSpe		
target TrqLOA Per1 HandwheelAuthority Uls f32.value	0.112473726		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	5.86611271		
target TrqLOA Per1 LatAccelValid Cnt Igc.value	0		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-1922.651		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	669.627136		
target TrqLOA Per1 VehicleSpeedValid Cnt Iqc.value	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	86.8814697		
Name	Actual Value	Expected Value	Result
TrgLOA LatAccScaleFactor Uls M f32	0.699767113	0.699767113	Nesult
TrqLOA_LatAccelSV_g_M_Str.SV_UIs_f32	0.353336662	0.059767113 0.353336662 ± 0.01	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0.333330002	0.535350002 ± 0.01	
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	
TrqLOA TrqBasedScaleFactor Uls M f32	0.278150678	0.278150648 ± 0.01	
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0.276130076	0	
gq-o, _, o,q-o, u train_oni_igo.raido	,		

Test Step 2.21 (Repeat Count = 1)	✓
Name	Input Value
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.458414435
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.400000006
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0219999999





Name	Input Value
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-5.31447458
TrqLOA_TloaCmd_MtrNm_M_f32	1
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-1.68352222
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	3.20481014
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	442.206177
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-92.2796631
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	4.37505531
k_TrqLOA_FallingRampRate_UlspS_f32	-65.6893005
k_TrqLOA_LatAccConversionFactor_Uls_f32	4.77508354
k_TrqLOA_LimOutput_MtrNm_f32	6.08904886
k_TrqLOA_MaxScaleFactor_Uls_f32	0.307875514 0.92308104
k_TrqLOA_MinScaleFactor_UIs_f32 k_TrqLOA_NomDrvTrq_MtrNm_f32	1.39156401
k TrqLOA RisingRampRate UlspS f32	696.61969
k_TrqLOA_SteerRatio_Uls_f32	9.29917812
k_TrqLOA_UndersteerGrad_RadpG_f32	0.25
k_TrqLOA_Wheelbase_M_f32	1.91829896
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	15729
t2_TrqLOA_DiffGainY_UIs_u1p15[0][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	19661
t2_TrqLOA_DiffGainY_UIs_u1p15[1][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	15729
t2_TrqLOA_DiffGainY_UIs_u1p15[2][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	13763 15729
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1] t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	15729
t2_TrqLOA_DiffGainY_UIs_u1p15[6][2]	17039
t2_TrqLOA_DiffGainY_UIs_u1p15[6][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1] t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	15729 17039
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	19661
t_TrqLOA_DiffGainX_G_u2p14[0]	15892
t_TrqLOA_DiffGainX_G_u2p14[1]	16876
t_TrqLOA_DiffGainX_G_u2p14[2]	19169
t_TrqLOA_DiffGainX_G_u2p14[3]	26214
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	5120
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	5440
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	5760
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	6080
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	6400
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	6554
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	16384
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	19661 36864
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0] t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	37683
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1] t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	40960
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	41779
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	45056
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	45875
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	
t_riqLoA_LatAccoaiii_i_ivittinpo d+pizjoj	49152
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	49152 49971

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Name	Input Value		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	18432		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	18022		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	21709		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	23347		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	26624		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	26624		
t_TrqLOA_X_Kph_u10p6[0]	9280		
t_TrqLOA_X_Kph_u10p6[1]	9344		
t_TrqLOA_X_Kph_u10p6[2]	9408		
t_TrqLOA_X_Kph_u10p6[3]	9472		
t_TrqLOA_X_Kph_u10p6[4]	9536		
t_TrqLOA_X_Kph_u10p6[5]	9600		
t_TrqLOA_X_Kph_u10p6[6]	9664		
t_TrqLOA_X_Kph_u10p6[7]	9728		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAut	hority_Uls_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSec	cSq_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelValid_	_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMtgt	nEn_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_Mt	trRadpS_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_Hw	/Deg_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOAAvail_0	Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_M	/trNm_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc	target_TrqLOA_Per1_VehicleSpeed\	/alid_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpeed_	_Kph_f32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	1		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	4.09389257		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-645.788513		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-133.912827		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	379.220917		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.467164546	0.467164546	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.369231433	0.369231433 ± 0.01	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-0	0 ± 0.01	
TrqLOA_TloaCmd_MtrNm_M_f32	-0	0 ± 0.01	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-0.290282726	-0.290282935 ± 0.01	
·			

Test Step 2.22 (Repeat Count = 1)	
Name	Input Value
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.286217928
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.449999988
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0225000009
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-4.61328793
TrqLOA_TloaCmd_MtrNm_M_f32	1.5
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-1.9354285
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	6.82426548
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	256.059387
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-32.0693474
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	16.1730366
k_TrqLOA_FallingRampRate_UlspS_f32	-251.979279
k_TrqLOA_LatAccConversionFactor_Uls_f32	4.34920788
k_TrqLOA_LimOutput_MtrNm_f32	2.87169433
k_TrqLOA_MaxScaleFactor_Uls_f32	1
k_TrqLOA_MinScaleFactor_Uls_f32	0.636602879
k_TrqLOA_NomDrvTrq_MtrNm_f32	5.84942722
k_TrqLOA_RisingRampRate_UlspS_f32	141.2939
k_TrqLOA_SteerRatio_Uls_f32	39.839592
k_TrqLOA_UndersteerGrad_RadpG_f32	0.195474774
k_TrqLOA_Wheelbase_M_f32	11.7310743
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	19333
t2_TrqLOA_DiffGainY_UIs_u1p15[0][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	21299

0

-0

0

0 ± 0.01

 $target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value$

target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value





Name	Input Value
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	26214
t2_TrqLOA_DiffGainY_UIs_u1p15[5][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	19333 21299
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2] t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	26214
t_TrqLOA_DiffGainX_G_u2p14[0]	17695
t TrgLOA DiffGainX G u2p14[1]	18678
t_TrqLOA_DiffGainX_G_u2p14[2]	21299
t_TrqLOA_DiffGainX_G_u2p14[3]	29491
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	6720
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	7040
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	7360
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	7680
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	8000
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	6554
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	16384
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	19661
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	53248
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	54067
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	56115
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	56934
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	58163
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	60211
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	60621
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	61030
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	9011
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	15565
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	19251
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	18432 22528
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	22528
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5] t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	24166 27853
t_rrqLOA_rempTrqCmdSatYTbl_mtrNm_u4p12[6] t_rrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	27853
t_TrqLOA_Temp1rqCmdSatY1bi_mtrNm_u4p12[/] t_TrqLOA_X_Kph_u10p6[0]	9792
t_TrqLOA_X_Kpn_u10p6[0] t_TrqLOA_X_Kph_u10p6[1]	9856
t_TrqLOA_X_Kph_u10p6[1] t_TrqLOA_X_Kph_u10p6[2]	9920
t_TrqLOA_X_Kpn_u10p6[2] t_TrqLOA_X_Kph_u10p6[3]	9984
t_TrqLOA_X_Kph_u10p6[4]	10048
t_TrqLOA_X_Kph_u10p6[5]	10112
t_TrqLOA_X_Kph_u10p6[6]	10176
t_TrqLOA_X_Kph_u10p6[7]	10240
target Rte Inst Ap TrqLOA.TrqLOA Per1 HandwheelAuthority Uls f32	target TrqLOA Per1 HandwheelAuthority Uls f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecSq_f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target TrqLOA Per1 LatAccelValid Cnt Igc
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target TrqLOA Per1 MotAgLoaMtgtnEn Cnt Igc
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc	target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc
0	
target Rte Inst Ap TrgLOA.TrgLOA Per1 TrgLOACmd MtrNm f32	target IrgLOA Peri IrgLOACmd MtrNm 132
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32 target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32 target_TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc





Name	Input Value		
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0.728037357		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	8.18392849		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-2000		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	672.756042		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	113.296326		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.318563998	0.318563998	~
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.461153269	0.461153269 ± 0.01	✓
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	✓
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	✓
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-1.65284061	-1.65284073 ± 0.01	✓
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	✓
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0	0 ± 0.01	✓

Name	Input Value	
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA	
TrqLOA LatAccScaleFactor Uls M f32	0.416943192	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.5	
TrqLOA LatAccelSV g M Str.K Uls f32	0.023	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	2.22781754	
TrqLOA_TloaCmd_MtrNm_M_f32	2	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.414223254	
<pre><_TrqLOA_AbsAssistThreshold_MtrNm_f32</pre>	4.51600885	
<pre><_TrqLOA_AbsVelThreshold_MtrRadpS_f32</pre>	995.283386	
<pre><_rrqLOA_DiffScaleRateLimiterFalling_UlspS_f32</pre>	-71.562912	
<pre><_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32</pre>	15.5903111	
TrqLOA FallingRampRate UlspS f32	-878.925293	
<pre><_TrqLOA_LatAccConversionFactor_Uls_f32</pre>	0.70839566	
<pre><_rrqLOA_LimOutput_MtrNm_f32</pre>	8.80000019	
<pre><_TrqLOA_MaxScaleFactor_Uls_f32</pre>	0.113850713	
<pre><_frqLOA_MinScaleFactor_Uls_f32</pre>	0.382634044	
<pre><_TrqLOA_NomDrvTrq_MtrNm_f32</pre>	0.203266919	
TrqLOA RisingRampRate UlspS f32	770.529968	
<pre><_TrqLOA_SteerRatio_Uls_f32</pre>	6.2688899	
<pre><_frqLOA_UndersteerGrad_RadpG_f32</pre>	0.0393150002	
<pre><_rrqLOA_Wheelbase_M_f32</pre>	2.45116496	
2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	655	
2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	2458	
2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	4915	
2 TrqLOA DiffGainY Uls u1p15[0][3]	6226	
2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	655	
2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	2458	
2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	4915	
2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	6226	
2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	655	
2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	2458	
2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	4915	
2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	6226	
2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	655	
2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	2458	
2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	4915	
2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	6226	
2_TrqLOA_DiliGainY_Uls_u1p15[3][3]	655	
2_TrqLOA_DiliGainY_Uis_u1p15[4][0] 2_TrqLOA_DiffGainY_Uis_u1p15[4][1]	2458	
2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	4915	
2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	6226	
2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	655	
2_TrqLOA_DiliGainY_Uis_u1p15[5][0] 2_TrqLOA_DiffGainY_Uis_u1p15[5][1]	2458	
2_TrqLOA_DiliGainY_Uls_u1p15[5][1]	4915	
2_TrqLOA_DiliGainY_Uis_u1p15[5][2] 2_TrqLOA_DiffGainY_Uis_u1p15[5][3]	6226	
2_TrqLOA_DiliGainY_Uis_u1p15[6][0] 2_TrqLOA_DiffGainY_Uis_u1p15[6][0]	655	
z_rrqLOA_DiffGainY_Uis_u1p15[6][1]	2458	
2_TrqLOA_DiliGainY_Uis_u1p15[6][1] 2_TrqLOA_DiffGainY_Uis_u1p15[6][2]	4915	
	6226	
2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	655	
2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	2458	
:2_TrqLOA_DiffGainY_Uls_u1p15[7][1] :2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	4915	





LTRIQ AD DIffGainX G. u2p14[2]	
LTrqLOA_DiffGainX_G_u2p14[2]	
TrqLOA_HighSpeedTrqBland_X_Kph_u10p6[0] 8320 TrqLOA_HighSpeedTrqBland_X_Kph_u10p6[1] 8640 TrqLOA_HighSpeedTrqBland_X_Kph_u10p6[1] 8640 TrqLOA_HighSpeedTrqBland_X_Kph_u10p6[3] 9860 TrqLOA_HighSpeedTrqBland_X_Kph_u10p6[3] 9860 TrqLOA_HighSpeedTrqBland_X_Kph_u10p6[4] 9800 TrqLOA_HighSpeedTrqBland_X_Kph_u10p6[4] 9800 TrqLOA_HighSpeedTrqBland_Y_Us_u1p15[0] 6554 TrqLOA_HighSpeedTrqBland_Y_Us_u1p15[2] 1930 TrqLOA_HighSpeedTrqBland_Y_Us_u1p15[2] 1930 TrqLOA_HighSpeedTrqBland_Y_Us_u1p15[2] 1930 TrqLOA_HighSpeedTrqBland_Y_Us_u1p15[2] 1930 TrqLOA_HighSpeedTrqBland_Y_Us_u1p15[2] 19661 TrqLOA_HighSpeedTrqBland_Y_Us_u1p15[2] 19661 TrqLOA_LalaccGain_Y_MthrkmpG_u4p12[0] 4096 TrqLOA_LalaccGain_Y_MthrkmpG_u4p12[2] 4096 TrqLOA_LalaccGain_Y_MthrkmpG_u4p12[2] 8192 TrqLOA_LalaccGain_Y_MthrkmpG_u4p12[2] 1930 TrqLOA_LalaccGain_Y_MthrkmpG_u4p12[2] 12288 TrqLOA_LalaccGain_Y_MthrkmpG_u4p12[3] 1930 TrqLOA_LalaccGain_Y_MthrkmpG_u4p12[4] 1930 TrqLOA_TempTrqCmdSaYTD_Mthrkm_u4p12[3] 1934 TrqLOA_TempTrqCmdSaYTD_Mthrkm_u4p12[4] 2930 TrqLOA_TempTrqCmdSaYTD_Mthrkm_u4p12[4] 2930 TrqLOA_TempTrqCmdSaYTD_Mthrkm_u4p12[4] 2930 TrqLOA_TempTrqCmdSaYTD_Mthrkm_u4p12[4] 2930 TrqLOA_TempTrqCmdSaYTD_Mthrkm_u4p12[4] 2930 TrqLOA_TempTrqCmdSaYTD_Mthrkm_u4p12[4] 1096	
Trq.OA_HighSpeedTrqBlend_X_Kph_u10p6[0] 8320 Trq.OA_HighSpeedTrqBlend_X_Kph_u10p6[1] 8640 Trq.OA_HighSpeedTrqBlend_X_Kph_u10p6[2] 8960 Trq.OA_HighSpeedTrqBlend_X_Kph_u10p6[2] 8960 Trq.OA_HighSpeedTrqBlend_X_Kph_u10p6[3] 9280 Trq.OA_HighSpeedTrqBlend_Y_Kph_u10p6[4] 9900 Trq.OA_HighSpeedTrqBlend_Y_Uls_u1p15[0] 6854 Trq.OA_HighSpeedTrqBlend_Y_Uls_u1p15[2] 13107 Trq.OA_HighSpeedTrqBlend_Y_Uls_u1p15[2] 13107 Trq.OA_HighSpeedTrqBlend_Y_Uls_u1p15[3] 16384 Trq.OA_HighSpeedTrqBlend_Y_Uls_u1p15[4] 19661 Trq.OA_HighSpeedTrqBlend_Y_Uls_u1p15[4] 19661 Trq.OA_LatAccGain_Y_MirnmpG_u4p12[0] 4096 Trq.OA_LatAccGain_Y_MirnmpG_u4p12[1] 4915 Trq.OA_LatAccGain_Y_MirnmpG_u4p12[2] 8192 Trq.OA_LatAccGain_Y_MirnmpG_u4p12[3] 1740 Trq.OA_LatAccGain_Y_MirnmpG_u4p12[4] 12288 Trq.OA_LatAccGain_Y_MirnmpG_u4p12[6] 16384 Trq.OA_LatAccGain_Y_MirnmpG_u4p12[6] 16384 Trq.OA_LatAccGain_Y_MirnmpG_u4p12[6] 16384 Trq.OA_LatAccGain_Y_MirnmpG_u4p12[6] 16384 Trq.OA_LatAccGain_Y_MirnmpG_u4p12[6] 16384 Trq.OA_TempTrqCmdSstYTb_Mirnm_u4p12[7] 17203 Trq.OA_TempTrqCmdSstYTb_Mirnm_u4p12[7] 17203 Trq.OA_TempTrqCmdSstYTb_Mirnm_u4p12[7] 17203 Trq.OA_TempTrqCmdSstYTb_Mirnm_u4p12[7] 16794 Trq.OA_TempTrqCmdSstYTb_Mirnm_u4p12[7] 18842 Trq.OA_TempTrqCmdSstYTb_Mirnm_u4p12[7] 18842 Trq.OA_TempTrqCmdSstYTb_Mirnm_u4p12[7] 18842 Trq.OA_TempTrqCmdSstYTb_Mirnm_u4p12[7] 22622 Trq.OA_TempTrqCmdSstYTb_Mirnm_u4p12[7] 22622 Trq.OA_TempTrqCmdSstYTb_Mirnm_u4p12[7] 10686 Trq.OA_TempTrqCmdSstYTb_Mirnm_u4p12[7] 10686 Trq.OA_TempTrqCmdSstYTb_Mirnm_u4p12[7] 10686 Trq.OA_X_Kph_u10p6[7] 10742 Trq.OA_Y_Kph_u10p6[7]	
LTrqLoA_HighSpeedTrqBlend_X_Kph_u10p6[1] 8640	
CTTQLOA_HighSpeedTrigBlend_X_Kph_u10p6[2] 8980 CTTQLOA_HighSpeedTrigBlend_X_Kph_u10p6[3] 9280 CTTQLOA_HighSpeedTrigBlend_X_kph_u10p6[4] 9900 CTTQLOA_HighSpeedTrigBlend_Y_Uls_u1p15[0] 6554 CTTQLOA_HighSpeedTrigBlend_Y_Uls_u1p15[7] 9830 CTTQLOA_HighSpeedTrigBlend_Y_Uls_u1p15[2] 13107 CTTQLOA_HighSpeedTrigBlend_Y_Uls_u1p15[3] 13344 CTTQLOA_HighSpeedTrigBlend_Y_Uls_u1p15[4] 19961 CTTQLOA_HighSpeedTrigBlend_Y_Uls_u1p15[4] 19961 CTTQLOA_HighSpeedTrigBlend_Y_Uls_u1p15[4] 19961 CTTQLOA_HighSpeedTrigBlend_Y_Uls_u1p15[4] 19961 CTTQLOA_LatAccGain_Y_MirNmpG_u4p12[0] 4096 CTTQLOA_LatAccGain_Y_MirNmpG_u4p12[3] 4915 CTTQLOA_LatAccGain_Y_MirNmpG_u4p12[3] 8912 CTTQLOA_LatAccGain_Y_MirNmpG_u4p12[3] 12288 CTTQLOA_LatAccGain_Y_MirNmpG_u4p12[4] 12288 CTTQLOA_LatAccGain_Y_MirNmpG_u4p12[5] 13107 CTTQLOA_LatAccGain_Y_MirNmpG_u4p12[6] 16384 CTTQLOA_LatAccGain_Y_MirNmpG_u4p12[6] 16384 CTTQLOA_LatAccGain_Y_MirNmpG_u4p12[7] 17203 CTTQLOA_LatAccGain_Y_MirNmpG_u4p12[7] 17203 CTTQLOA_LatAccGain_Y_MirNmpG_u4p12[7] 17203 CTTQLOA_TempTrQCmdSatYTb_MirNm_u4p12[7] 18842 CTTQLOA_TempTrQCmdSatYTb_MirNm_u4p12[7] 18842 CTTQLOA_TempTrQCmdSatYTb_MirNm_u4p12[7] 18842 CTTQLOA_TempTrQCmdSatYTb_MirNm_u4p12[7] 2866 CTTQLOA_TempTrQCmdSatYTb_MirNm_u4p12[7] 2862 CTTQLOA_TempTrQCmdSatYTb_MirNm_u4p12[7] 2862 CTTQLOA_TempTrQCmdSatYTb_MirNm_u4p12[7] 2862 CTTQLOA_TempTrQCmdSatYTb_MirNm_u4p12[7] 10368 CTTQLOA_TempTrQCmdSatYTb_MirNm_u4p12[7] 10496 CTTQLOA_TempTrQCmdSatYTb_MirNm_u4p12[7] 10496 CTTQLOA_TempTrQCmdSatYTb_Mir	
LTqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3] 9280 LTqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4] 9600 LTqLOA_HighSpeedTrqBlend_X_Uls_u1p15[0] 6554 LTqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2] 13107 LTqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3] 16384 LTqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3] 16384 LTqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4] 19661 LTqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4] 19661 LTqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4] 19661 LTqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4] 19661 LTqLOA_LataccGain_Y_MithmpG_u4p12[0] 4996 LTqLOA_LataccGain_Y_MithmpG_u4p12[1] 4915 LTqLOA_LataccGain_Y_MithmpG_u4p12[3] 9011 LTqLOA_LataccGain_Y_MithmpG_u4p12[3] 1911 LTqLOA_LataccGain_Y_MithmpG_u4p12[4] 12288 LTqLOA_LataccGain_Y_MithmpG_u4p12[6] 13107 LTqLOA_LataccGain_Y_MithmpG_u4p12[6] 16384 LTqLOA_LataccGain_Y_MithmpG_u4p12[6] 16384 LTqLOA_LataccGain_Y_MithmpG_u4p12[7] 17203 LTqLOA_TempTrqCmdSatYTb_Mithm_u4p12[0] 9830 LTqLOA_TempTrqCmdSatYTb_Mithm_u4p12[0] 9830 LTqLOA_TempTrqCmdSatYTb_Mithm_u4p12[1] 16794 LTqLOA_TempTrqCmdSatYTb_Mithm_u4p12[2] 20070 LTqLOA_TempTrqCmdSatYTb_Mithm_u4p12[3] 18842 LTqLOA_TempTrqCmdSatYTb_Mithm_u4p12[3] 18842 LTqLOA_TempTrqCmdSatYTb_Mithm_u4p12[3] 2896 LTqLOA_TempTrqCmdSatYTb_Mithm_u4p12[4] 23347 LTqLOA_TempTrqCmdSatYTb_Mithm_u4p12[6] 29092 LTqLOA_TempTrqCmdSatYTb_Mithm_u4p12[6] 29092 LTqLOA_TempTrqCmdSatYTb_Mithm_u4p12[6] 29092 LTqLOA_TempTrqCmdSatYTb_Mithm_u4p12[6] 29092 LTqLOA_TempTrqCmdSatYTb_Mithm_u4p12[7] 10304 LTqLOA_TempTrqCmdSatYTb_Mithm_u4p12[6] 1038 LTqLOA_TempTrqCmdSatYTb_Mithm_u4p12[6] 1038 LTqLOA_TempTrqCmdSatYTb_Mithm_u4p12[6] 1038 LTqLOA_TempTrqCmdSatYTb_Mithm_u4p12[6] 10390 LTqLOA_TempTrqCmdSatYTb_Mithm_u4p12[6] 10390 LTqLOA_TempTrqCmdSatYTb_Mithm_u4p12[6] 10390 LTqLOA_TempTrqCmdSatYTb_Mithm_u4p12[6] 10390 LTqLOA_TempTrqCmdSatYTb_Mithm_u4p12[6] 10390 LTqLOA_TempTrqCmdSatYTb_M	
CTRILOA_HighSpeedTrqBlend_X_Kph_u10p8[4] 9600 CTRILOA_HighSpeedTrqBlend_Y_Uls_u1p15[7] 6554 CTRILOA_HighSpeedTrqBlend_Y_Uls_u1p15[7] 9830 CTRILOA_HighSpeedTrqBlend_Y_Uls_u1p15[7] 13107 CTRILOA_HighSpeedTrqBlend_Y_Uls_u1p15[7] 15384 CTRILOA_HighSpeedTrqBlend_Y_Uls_u1p15[7] 19661 CTRILOA_LatAccGain_Y_MithmpG_u4p12[0] 4996 CTRILOA_LatAccGain_Y_MithmpG_u4p12[7] 4915 CTRILOA_LatAccGain_Y_MithmpG_u4p12[7] 4915 CTRILOA_LatAccGain_Y_MithmpG_u4p12[7] 4915 CTRILOA_LatAccGain_Y_MithmpG_u4p12[7] 12288 CTRILOA_LatAccGain_Y_MithmpG_u4p12[8] 13107 CTRILOA_LatAccGain_Y_MithmpG_u4p12[8] 13107 CTRILOA_LatAccGain_Y_MithmpG_u4p12[8] 13304 CTRILOA_LatAccGain_Y_MithmpG_u4p12[7] 17203 CTRILOA_LatAccGain_Y_MithmpG_u4p12[7] 17203 CTRILOA_LatAccGain_Y_MithmpG_u4p12[7] 17203 CTRILOA_LatAccGain_Y_MithmpG_u4p12[7] 17203 CTRILOA_TempTrqCmdSatYTb_Mithm_u4p12[7] 16794 CTRILOA_TempTrqCmdSatYTb_Mithm_u4p12[7] 18842 CTRILOA_TempTrqCmdSatYTb_Mithm_u4p12[8] 23347 CTRILOA_TempTrqCmdSatYTb_Mithm_u4p12[8] 23347 CTRILOA_TempTrqCmdSatYTb_Mithm_u4p12[8] 23347 CTRILOA_TempTrqCmdSatYTb_Mithm_u4p12[9] 23347 CTRILOA_TempTrqCmdSatYTb_Mithm_u4p12[9] 23982 CTRILOA_TempTrqCmdSatYTb_Mithm_u4p12[9] 23982 CTRILOA_TempTrqCmdSatYTb_Mithm_u4p12[9] 23982 CTRILOA_TempTrqCmdSatYTb_Mithm_u4p12[9] 23982 CTRILOA_TempTrqCmdSatYTb_Mithm_u4p12[9] 23982 CTRILOA_TempTrqCmdSatYTb_Mithm_u4p12[9] 10388 CTRILOA_TempTrqCmdSatYTb_Mithm_u4p12[9]	
CTRQLOA_HighSpeedTrqBlend_Y_Uls_u1p15(0) 6554	
LTrqLOA_HighSpeedTrqBlend_Y_Uls_utp15[1]	
LTrqLOA_HighSpeedTrqBlend_Y_Uis_utp15[2] 13107 LTrqLOA_HighSpeedTrqBlend_Y_Uis_utp15[3] 16384 LTrqLOA_HighSpeedTrqBlend_Y_Uis_utp15[4] 19961 LTrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0] 4096 LTrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1] 4915 LTrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2] 8192 LTrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3] 9011 LTrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3] 12288 LTrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6] 13307 LTrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6] 13384 LTrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6] 16384 LTrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6] 16384 LTrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6] 16384 LTrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7] 17203 LTrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7] 17203 LTrqLOA_TempTrqCmdSatYTb_MtrNm_u4p12[0] 9830 LTrqLOA_TempTrqCmdSatYTb_MtrNm_u4p12[1] 16794 LTrqLOA_TempTrqCmdSatYTb_MtrNm_u4p12[2] 20070 LTrqLOA_TempTrqCmdSatYTb_MtrNm_u4p12[3] 18842 LTrqLOA_TempTrqCmdSatYTb_MtrNm_u4p12[4] 23347 LTrqLOA_TempTrqCmdSatYTb_MtrNm_u4p12[5] 24986 LTrqLOA_TempTrqCmdSatYTb_MtrNm_u4p12[6] 29082 LTrqLOA_TempTrqCmdSatYTb_MtrNm_u4p12[6] 29082 LTrqLOA_TempTrqCmdSatYTb_MtrNm_u4p12[7] 2862 LTrqLOA_X_Kph_u10p6[0] 10304 LTrqLOA_X_Kph_u10p6[1] 10388 LTrqLOA_X_Kph_u10p6[2] 10496 LTrqLOA_X_Kph_u10p6[3] 10496 LTrqLOA_X_Kph_u10p6[6] 10688 LTrqLOA_X_Kph_u10p6[6] 10688 LTrqLOA_X_Kph_u10p6[6] 10688 LTrqLOA_X_Kph_u10p6[6] 10752 LargeL_Rte_Inst_Ap_TrqLOA_TrqLOA_Perl_HandwheelAuthority_Uis_f32 LargeL_Rte_Inst_Ap_TrqLOA_TrqLOA_Perl_HandwheelAuthority_Uis_f32 LargeL_Rte_Inst_Ap_TrqLOA_TrqLOA_Perl_MtrNe_Uis_RCM_MtrBadpS_f32 LargeL_Rte_Inst_Ap_TrqLOA_TrqLOA_Perl_MtrNe_Uis_RCM_MtrBadpS_f32 LargeL_Rte_Inst_Ap_TrqLOA_TrqLOA_Perl_MtrNe_Uis_RCM_MtrBadpS_f32 LargeL_Rte_Inst_Ap_TrqLOA_TrqLOA_Perl_MtrNe_Uis_RCM_MtrBadpS_f32 LargeL_Rte_Inst_Ap_TrqLOA_TrqLOA_Perl_MtrNe_Uis_RCM_MtrBadpS_f32 LargeL_Rte_Inst_Ap_TrqLOA_TrqLOA_Perl_MtrNe_Uis_RCM_MtrBadpS	
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t_TrqLOA_LatAccGain_Y_MtrNmp0_u4p12[7] 17203 t_TrqLOA_TempTrqCmdSatYTbL_MtrNm_u4p12[0] 9830 t_TrqLOA_TempTrqCmdSatYTbL_MtrNm_u4p12[1] 16794 t_TrqLOA_TempTrqCmdSatYTbL_MtrNm_u4p12[2] 20070 t_TrqLOA_TempTrqCmdSatYTbL_MtrNm_u4p12[3] 18842 t_TrqLOA_TempTrqCmdSatYTbL_MtrNm_u4p12[5] 24986 t_TrqLOA_TempTrqCmdSatYTbL_MtrNm_u4p12[6] 29082 t_TrqLOA_TempTrqCmdSatYTbL_MtrNm_u4p12[7] 28262 t_TrqLOA_TempTrqCmdSatYTbL_MtrNm_u4p12[7] 28262 t_TrqLOA_X_Kph_u10p6[0] 10304 t_TrqLOA_X_Kph_u10p6[1] 10368 t_TrqLOA_X_Kph_u10p6[2] 10432 t_TrqLOA_X_Kph_u10p6[3] 10496 t_TrqLOA_X_Kph_u10p6[4] 10560 t_TrqLOA_X_Kph_u10p6[6] 10624 t_TrqLOA_X_Kph_u10p6[6] 10624 t_TrqLOA_X_Kph_u10p6[7] 10752 target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_UIs_f32 target_TrqLOA_Per1_LatAcc_MpSecSq_f32 target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32 target_TrqLOA_Per1_LatAcc_MpSecSq_f32 target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32 target_TrqLOA_Per1_LatAcc_UAPSecSq_f32 target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32 <	
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1] 16794 t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2] 20070 t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3] 18842 t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4] 23347 t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5] 24986 t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6] 29082 t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7] 28262 t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7] 28262 t_TrqLOA_X_kph_u10p6[0] 10304 t_TrqLOA_X_kph_u10p6[1] 10368 t_TrqLOA_X_kph_u10p6[2] 10432 t_TrqLOA_X_kph_u10p6[3] 10496 t_TrqLOA_X_kph_u10p6[4] 10560 t_TrqLOA_X_kph_u10p6[5] 10624 t_TrqLOA_X_kph_u10p6[6] 10688 t_TrqLOA_X_kph_u10p6[7] 10752 target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_LatAcc_MpSecSq_f32 target_TrqLOA_Per1_LatAcc_MpSecSq_f32 target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcceValid_Cnt_Igc target_TrqLOA_Per1_LatAcceValid_Cnt_Igc target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32 target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2] 20070 t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3] 18842 t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4] 23347 t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5] 24986 t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6] 29082 t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7] 28262 t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7] 28262 t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7] 10304 t_TrqLOA_X_kph_u10p6[0] 10368 t_TrqLOA_X_kph_u10p6[1] 10368 t_TrqLOA_X_kph_u10p6[2] 10432 t_TrqLOA_X_kph_u10p6[3] 10496 t_TrqLOA_X_kph_u10p6[3] 10496 t_TrqLOA_X_kph_u10p6[6] 10560 t_TrqLOA_X_kph_u10p6[6] 10560 t_TrqLOA_X_kph_u10p6[6] 10560 t_TrqLOA_X_kph_u10p6[6] 10562 t_TrqLOA_X_kph_u10p6[6] 10752 target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_HandwheelAuthority_Uls_f32 10752 target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_LatAcc_MpSecSq_f32 10752 target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_LatAcc_MpSecSq_f32 10752 target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc 10752 target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc 1	
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2] 20070 t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3] 18842 t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4] 23347 t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5] 24986 t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6] 29082 t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7] 28262 t_TrqLOA_X_Kph_u10p6[0] 10304 t_TrqLOA_X_Kph_u10p6[1] 10368 t_TrqLOA_X_Kph_u10p6[2] 10432 t_TrqLOA_X_Kph_u10p6[3] 10496 t_TrqLOA_X_Kph_u10p6[3] 10560 t_TrqLOA_X_Kph_u10p6[5] 10664 t_TrqLOA_X_Kph_u10p6[5] 10624 t_TrqLOA_X_Kph_u10p6[6] 10688 t_TrqLOA_X_Kph_u10p6[7] 10752 target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_HandwheelAuthority_Uls_f32 target_TrqLOA_Per1_HandwheelAuthority_Uls_f32 target_TrqLOA_Per1_LatAcc_MpSecSq_f32 target_TrqLOA_Per1_LatAcc_MpSecS	
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4] 23347 t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5] 24986 t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6] 29082 t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7] 28262 t_TrqLOA_X_Kph_u10p6[0] 10304 t_TrqLOA_X_Kph_u10p6[1] 10368 t_TrqLOA_X_Kph_u10p6[2] 10432 t_TrqLOA_X_Kph_u10p6[3] 10496 t_TrqLOA_X_Kph_u10p6[3] 10496 t_TrqLOA_X_Kph_u10p6[5] 10660 t_TrqLOA_X_Kph_u10p6[5] 10688 t_TrqLOA_X_Kph_u10p6[7] 10752 target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_HandwheelAuthority_UIs_f32 target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_LatAccelValid_Cnt_lgc target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32 target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32 target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32 target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32 target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32 target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32 target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5] 24986 t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6] 29082 t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7] 28262 t_TrqLOA_X_Kph_u10p6[0] 10304 t_TrqLOA_X_Kph_u10p6[1] 10368 t_TrqLOA_X_Kph_u10p6[2] 10432 t_TrqLOA_X_Kph_u10p6[3] 10496 t_TrqLOA_X_Kph_u10p6[4] 10560 t_TrqLOA_X_Kph_u10p6[5] 10624 t_TrqLOA_X_Kph_u10p6[6] 10688 t_TrqLOA_X_Kph_u10p6[6] 10688 t_TrqLOA_X_Kph_u10p6[7] 10752 target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_HandwheelAuthority_UIs_f32 target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32 target_TrqLOA_Per1_LatAcc_MpSecSq_f32 target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32 target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32 target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6] 29082 t_TrqLOA_X_Kph_u10p6[0] 10304 t_TrqLOA_X_Kph_u10p6[1] 10368 t_TrqLOA_X_Kph_u10p6[2] 10432 t_TrqLOA_X_Kph_u10p6[3] 10496 t_TrqLOA_X_Kph_u10p6[4] 10560 t_TrqLOA_X_Kph_u10p6[5] 10624 t_TrqLOA_X_Kph_u10p6[6] 10688 t_TrqLOA_X_Kph_u10p6[6] 10688 t_TrqLOA_X_Kph_u10p6[7] 10752 target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_HandwheelAuthority_UIs_f32 target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_LatAcc_MpSecSq_f32 target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_LatAccelValid_Cnt_lgc target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32 target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32 target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32 target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	
t_TrqLOA_X_Kph_u10p6[0]	
t_TrqLOA_X_Kph_u10p6[1]	
t_TrqLOA_X_Kph_u10p6[2] 10432 t_TrqLOA_X_Kph_u10p6[3] 10496 t_TrqLOA_X_Kph_u10p6[4] 10560 t_TrqLOA_X_Kph_u10p6[5] 10624 t_TrqLOA_X_Kph_u10p6[6] 10688 t_TrqLOA_X_Kph_u10p6[7] 10752 target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_HandwheelAuthority_Uls_f32 target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32 target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_Wls_Cas_Cas_Cas_Cas_Cas_Cas_Cas_Cas_Cas_Ca	
t_TrqLOA_X_Kph_u10p6[3] 10496 t_TrqLOA_X_Kph_u10p6[4] 10560 t_TrqLOA_X_Kph_u10p6[5] 10624 t_TrqLOA_X_Kph_u10p6[6] 10688 t_TrqLOA_X_Kph_u10p6[7] 10752 target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_HandwheelAuthority_UIs_f32 target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_LatAcc_MpSecSq_f32 target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_LatAcc_MpSecSq_f32 target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_LatAccelValid_Cnt_lgc target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32 target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	
t_TrqLOA_X_Kph_u10p6[4] 10560 t_TrqLOA_X_Kph_u10p6[5] 10624 t_TrqLOA_X_Kph_u10p6[6] 10688 t_TrqLOA_X_Kph_u10p6[7] 10752 target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_HandwheelAuthority_UIs_f32 target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_LatAcc_MpSecSq_f32 target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_LatAcc_Wlid_Cnt_Igc target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_LatAccelValid_Cnt_Igc target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_Igc target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_Igc target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32 target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	
t_TrqLOA_X_Kph_u10p6[5] 10624 t_TrqLOA_X_Kph_u10p6[6] 10688 t_TrqLOA_X_Kph_u10p6[7] 10752 target_Rte_Inst_Ap_TrqLOA_Per1_HandwheelAuthority_UIs_f32 10752 target_Rte_Inst_Ap_TrqLOA_Per1_LatAcc_MpSecSq_f32 10752 10752 target_Rte_Inst_Ap_TrqLOA_Per1_LatAcc_MpSecSq_f32 10752 10752 target_Rte_Inst_Ap_TrqLOA_Per1_LatAccelValid_Cnt_lgc 10752 target_Rte_Inst_Ap_TrqLOA_Per1_LatAccelValid_Cnt_lgc 10752 target_Rte_Inst_Ap_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc 10752 target_Rte_Inst_Ap_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32 10752 target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc 10752 target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc 10752 target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc 10752 target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc 10752 target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc 10752 target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32 10752	
t_TrqLOA_X_Kph_u10p6[6] 10688 t_TrqLOA_X_Kph_u10p6[7] 10752 target_Rte_Inst_Ap_TrqLOA_Per1_HandwheelAuthority_UIs_f32 target_Rte_Inst_Ap_TrqLOA_Per1_LatAcc_MpSecSq_f32 target_Rte_Inst_Ap_TrqLOA_Per1_LatAcc_MpSecSq_f32 target_Rte_Inst_Ap_TrqLOA_Per1_LatAccelValid_Cnt_lgc target_Rte_Inst_Ap_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc target_Rte_Inst_Ap_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc target_Rte_Inst_Ap_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32 target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	
t_TrqLOA_X_Kph_u10p6[7] 10752 target_Rte_Inst_Ap_TrqLOA_Per1_HandwheelAuthority_UIs_f32 target_Rte_Inst_Ap_TrqLOA_Per1_LatAcc_MpSecSq_f32 target_Rte_Inst_Ap_TrqLOA_Per1_LatAcc_WpSecSq_f32 target_Rte_Inst_Ap_TrqLOA_Per1_LatAccelValid_Cnt_lgc target_Rte_Inst_Ap_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc target_Rte_Inst_Ap_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc target_Rte_Inst_Ap_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32 target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	
target_Rte_Inst_Ap_TrqLOA_Per1_HandwheelAuthority_Uls_f32 target_Rte_Inst_Ap_TrqLOA_Per1_LatAcc_MpSecSq_f32 target_Rte_Inst_Ap_TrqLOA_Per1_LatAcc_MpSecSq_f32 target_Rte_Inst_Ap_TrqLOA_Per1_LatAccelValid_Cnt_lgc target_Rte_Inst_Ap_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc target_Rte_Inst_Ap_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32 target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32 target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	
target_Rte_Inst_Ap_TrqLOA_Per1_LatAcc_MpSecSq_f32 target_Rte_Inst_Ap_TrqLOA_Per1_LatAcc_MpSecSq_f32 target_Rte_Inst_Ap_TrqLOA_Per1_LatAccelValid_Cnt_lgc target_Rte_Inst_Ap_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc target_Rte_Inst_Ap_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32 target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32 target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	
target_Rte_Inst_Ap_TrqLOA_Per1_LatAccelValid_Cnt_lgc target_Rte_Inst_Ap_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc target_Rte_Inst_Ap_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32 target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	
target_Rte_Inst_Ap_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc target_Rte_Inst_Ap_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32 target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32 target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32 target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32	
target_Rte_Inst_Ap_TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc target_TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	
target_Rte_Inst_Ap_TrqLOA_Per1_VehicleSpeed_Kph_f32 target_TrqLOA_Per1_VehicleSpeed_Kph_f32	
target TrqLOA Per1 HandwheelAuthority Uls f32.value	
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value 3.53119206	
target_TrqLOA_Per1_LatAccelValid_Cnt_Igc.value 0	
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value 1	
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value 2000	
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value -562.210022	
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value 0	
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value 197.788849	
Name Actual Value Expected Value	
TrqLOA_LatAccScaleFactor_Uls_M_f32	Result
TrqLOA_LatAccelSV_g_M_Str.SV_UIs_f32 -0.272943676 -0.272943676 -0.272943676 ± 0.01	Result
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	Result
TrqLOA_TloaCmd_MtrNm_M_f32 -0.4337537699 -0.433753729 ± 0.01	Result
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	~
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value 0 0	~
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value -0.433753699 -0.433753729 ± 0.01	· · · · · · · · · · · · · · · · · · ·

Test Step 2.24 (Repeat Count = 1)		✓
Name	Input Value	
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA	
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.0573601723	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.550000012	

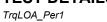
2015-06-23, 13:18:09+0530

TrqLOA_Per1



Namo	Input Value
Name Trai OA LatAccolSV a. M. Str.K. Lills 132	Input Value 0.0234999992
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32 TrqLOA ScaledMtrTrqCmd MtrNm M f32	0.208004713
TrqLOA_TloaCmd_MtrNm_M_f32	2.5
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.770968676
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	7.1029501
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	174.697998
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-79.8068924
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	7.59233046
k_TrqLOA_LatAccConversionEngter_Ulls #32	-508.201782 3.90489888
k_TrqLOA_LatAccConversionFactor_Uls_f32 k_TrqLOA_LimOutput_MtrNm_f32	1.23735428
k_TrqLOA_MaxScaleFactor_Uls_f32	1
k_TrqLOA_MinScaleFactor_Uls_f32	0.359750509
k_TrqLOA_NomDrvTrq_MtrNm_f32	8.04695988
k_TrqLOA_RisingRampRate_UlspS_f32	428.983093
k_TrqLOA_SteerRatio_Uls_f32	76.5793839
k_TrqLOA_UndersteerGrad_RadpG_f32	0.25
k_TrqLOA_Wheelbase_M_f32 12_TrqLOA_DiffGainY_Uls_u1p15[0][0]	9.53439236 6554
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	8192
t2_TrqLOA_DiffGainY_UIs_u1p15[0][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	9830
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	9830 6554
12_TrqLOA_DiffGainY_Uls_u1p15[2][0] 12_TrqLOA_DiffGainY_Uls_u1p15[2][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	9830
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	9830
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1] t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	8192 9503
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	9830
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	9830
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	6554
t2_TrqLOA_DiffGainY_UIs_u1p15[6][1] t2_TrqLOA_DiffGainY_UIs_u1p15[6][2]	8192 9503
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	9830
t2 TrqLOA DiffGainY Uls u1p15[7][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	9830
t_TrqLOA_DiffGainX_G_u2p14[0]	3277
t_TrqLOA_DiffGainX_G_u2p14[1]	4096 4751
t_TrqLOA_DiffGainX_G_u2p14[2] t_TrqLOA_DiffGainX_G_u2p14[3]	4915
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	9920
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	10240
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	10560
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	10880
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	11200
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	6554
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2] t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	13107 16384
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	19661
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	20480
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	21299
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	24576
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	25395
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	28672
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	29491
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6] t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	32768 33587
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	10650
	,

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Name	Input Value		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	18022		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	20890		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	19251		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	24166		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	25805		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	30310		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	29082		
t_TrqLOA_X_Kph_u10p6[0]	10816		
t_TrqLOA_X_Kph_u10p6[1]	10880		
t_TrqLOA_X_Kph_u10p6[2]	10944		
t_TrqLOA_X_Kph_u10p6[3]	11008		
t_TrqLOA_X_Kph_u10p6[4]	11072		
t_TrqLOA_X_Kph_u10p6[5]	11136		
t_TrqLOA_X_Kph_u10p6[6]	11200		
t_TrqLOA_X_Kph_u10p6[7]	11264		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_Handwheel	Authority_Uls_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_Mp	SecSq_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelVa	lid_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaN	/tgtnEn_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF	_MtrRadpS_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_	HwDeg_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOAAva	nil_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACm	d_MtrNm_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpe	ed_Kph_f32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	1		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	3.82478905		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	1326.5		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	463.004272		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	260.155029		
Name	Actual Value	Expected Value	Result
TrqLOA LatAccScaleFactor UIs M f32	0.0725448355	0.0725448355	
TrqLOA LatAccelSV g M Str.SV Uls f32	0.546331227	0.546331227 ± 0.01	
TrqLOA ScaledMtrTrqCmd MtrNm M f32	0	0 ± 0.01	
TrqLOA TloaCmd MtrNm M f32	0	0 ± 0.01	
TrqLOA TrqBasedScaleFactor Uls M f32	0.359750509	0.359750509 ± 0.01	
target TrgLOA Per1 TrgLOAAvail Cnt Igc.value	0	0	
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0	0 ± 0.01	

Test Step 2.25 (Repeat Count = 1)	
Name	Input Value
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.413330913
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.60000024
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0240000002
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0.744433224
TrqLOA_TloaCmd_MtrNm_M_f32	3
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.921130359
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	3.41811442
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	634.881836
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-59.9634285
<pre><_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32</pre>	79.7622375
k_TrqLOA_FallingRampRate_UlspS_f32	-906.341125
k_TrqLOA_LatAccConversionFactor_Uls_f32	8.63694096
k_TrqLOA_LimOutput_MtrNm_f32	4.69407511
<pre><_TrqLOA_MaxScaleFactor_Uls_f32</pre>	1
<pre><_TrqLOA_MinScaleFactor_Uls_f32</pre>	1
<pre><_TrqLOA_NomDrvTrq_MtrNm_f32</pre>	8.73774338
<pre><_TrqLOA_RisingRampRate_UlspS_f32</pre>	506.32724
<pre><_TrqLOA_SteerRatio_Uls_f32</pre>	25.6027412
<pre><_TrqLOA_UndersteerGrad_RadpG_f32</pre>	0.25
<pre><_TrqLOA_Wheelbase_M_f32</pre>	13.3979607
2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	10158
2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	12124





Name	Input Value
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	10158
t2_TrqLOA_DiffGainY_UIs_u1p15[2][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	10158
t2_TrqLOA_DiffGainY_UIs_u1p15[4][1]	12124 12780
t2_TrqLOA_DiffGainY_Uls_u1p15[4][2] t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	13107
t2_TrqLOA_DiliGainY_Uls_u1p15[4][3]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	10158
t2_TrqLOA_DiffGainY_UIs_u1p15[6][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	12780
t2_TrqLOA_DiffGainY_UIs_u1p15[7][3]	13107
t_TrqLOA_DiffGainX_G_u2p14[0]	5079
t_TrqLOA_DiffGainX_G_u2p14[1]	6062
t_TrqLOA_DiffGainX_G_u2p14[2]	6390
t_TrqLOA_DiffGainX_G_u2p14[3]	6554
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	11520
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	11840
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	12160
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	12480
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	12800
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	6554
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3] t TrqLOA HighSpeedTrqBlend Y Uls u1p15[4]	16384 19661
t_TrqLOA_nigrispeed riqbierid_r_ois_u1p15[4]	36864
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	37683
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	40960
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	41779
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	45056
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	45875
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	49152
t TrqLOA LatAccGain Y MtrNmpG u4p12[7]	49971
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	11469
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	19251
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	21709
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	19661
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	24986
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	26624
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	31539
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	29901
t_TrqLOA_X_Kph_u10p6[0]	11328
t_TrqLOA_X_Kph_u10p6[1]	11392
t_TrqLOA_X_Kph_u10p6[2]	11456
t_TrqLOA_X_Kph_u10p6[3]	11520
t_TrqLOA_X_Kph_u10p6[4]	11584
t_TrqLOA_X_Kph_u10p6[5]	11648
t_TrqLOA_X_Kph_u10p6[6]	11712
t_TrqLOA_X_Kph_u10p6[7]	11776
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecSq_f32
target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_LatAccelValid_Cnt_Igc	target_TrqLOA_Per1_LatAccelValid_Cnt_lgc
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_Igc target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc
	target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32
	target Trol OA Per1 RelHwPos HwDeg f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_HwDeg_f32
	target_TrqLOA_Per1_RelHwPos_HwDeg_f32 target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32

target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value

TrqLOA_Per1

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1.75200284 ± 0.01

Input Value target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32 target_TrqLOA_Per1_VehicleSpeed_Kph_f32 target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value 0.107009053 target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value -4 62466621 target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value 0 target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value n target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value 0 target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value 799.100525 $target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value$ target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value 501.525238 Name **Actual Value Expected Value** Result TrqLOA_LatAccScaleFactor_Uls_M_f32 0.399993896 0.399993896 TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32 0.636516392 0.636516392 ± 0.01 $TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32$ 1.75200272 1.75200284 ± 0.01 TrqLOA_TloaCmd_MtrNm_M_f32 1.75200272 1.75200284 ± 0.01 TrqLOA_TrqBasedScaleFactor_Uls_M_f32 1 ± 0.01 target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value

1.75200272

Test Step 2.26 (Repeat Count = 1)	
Name	Input Value
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA
TrqLOA_LatAccScaleFactor_Uls_M_f32	1
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.649999976
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0244999994
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-4.05832148
TrqLOA_TloaCmd_MtrNm_M_f32	3.5
FrqLOA_TrqBasedScaleFactor_Uls_M_f32	1.49695146
_TrqLOA_AbsAssistThreshold_MtrNm_f32	7.05715561
_TrqLOA_AbsVelThreshold_MtrRadpS_f32	691.984741
	-60.6408615
	65.9121246
TrqLOA_FallingRampRate_UlspS_f32	-415.079132
_TrqLOA_LatAccConversionFactor_Uls_f32	10
	7.91076517
	1
TrqLOA_MinScaleFactor_Uls_f32	1
	1.98730361
TrqLOA RisingRampRate UlspS f32	50.6216545
TrqLOA SteerRatio Uls f32	92.4181595
 _TrqLOA_UndersteerGrad_RadpG_f32	0.25
TrqLOA Wheelbase M f32	17.4362545
 2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	13763
2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	15729
2 TrqLOA DiffGainY Uls u1p15[0][2]	17039
2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	19661
2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	13763
2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	15729
2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	17039
2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	19661
2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	13763
2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	15729
2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	17039
2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	19661
2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	13763
	15729
	17039
	19661
2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	13763
2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	15729
2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	17039
2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	19661
	13763
	15729
2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	17039
2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	19661
2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	13763
2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	15729
2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	17039
	19661
2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	13763
2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	15729
2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	1:0159





Name	Input Value		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	17039		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	19661		
t_TrqLOA_DiffGainX_G_u2p14[0]	6881		
t_TrqLOA_DiffGainX_G_u2p14[1]	7864		
t_TrqLOA_DiffGainX_G_u2p14[2]	8520		
t_TrqLOA_DiffGainX_G_u2p14[3]	9830		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	13120		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	13440		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	13760		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	14080		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	14400		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	6554		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	9830		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	13107		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	16384		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	19661		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	53248		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	54067		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	56115		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	56934		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	58163		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	60211		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	60621		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	61030		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	12288		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	20480		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	22528		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	20070		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	25805		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	27443		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	32768		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	30720		
t_TrqLOA_X_Kph_u10p6[0]	11840		
t_TrqLOA_X_Kph_u10p6[1]	11904		
t_TrqLOA_X_Kph_u10p6[2]	11968		
t_TrqLOA_X_Kph_u10p6[3]	12032		
t_TrqLOA_X_Kph_u10p6[4]	12096		
t_TrqLOA_X_Kph_u10p6[5]	12160 12224		
t_TrqLOA_X_Kph_u10p6[6] t TrqLOA_X_Kph_u10p6[7]	12288		
target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAut	thority I lle f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target TrqLOA_ref1_flafidwffeefAdd		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_Igc	target_TrqLOA_Per1_LatAccelValid_	-	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMtgt		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_Mt		
target Rte Inst Ap TrqLOA.TrqLOA Per1 RelHwPos HwDeg f32	target_TrqLOA_Per1_RelHwPos_Hw		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAVail_Cnt_lgc	target_TrqLOA_Per1_TrqLOAAvail_(
target Rte Inst Ap TrqLOA.TrqLOA Per1 TrqLOACMd MtrNm f32	target_TrqLOA_Per1_TrqLOACmd_N		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target TrqLOA Per1 VehicleSpeed\		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpeed_		
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	1		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	0.117193341		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-367.5		
target TrqLOA Per1 RelHwPos HwDeg f32.value	-564.468384		
target TrqLOA Per1 VehicleSpeedValid Cnt Igc.value	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	508.008362		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_UIs_M_f32	0.878718257	0.878718257	Result
TrqLOA_LatAccelSV_g_M_Str.SV_UIs_f32	0.623975098	0.623975098 ± 0.01	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-2.19068646	-2.19068694 ± 0.01	
	-2.19068646	-2.19068694 ± 0.01	
Iral ()A Hoa(:md MtrNm M +32	-2.13000040	-2.10000034 ± 0.01	
TrqLOA_TloaCmd_MtrNm_M_f32 TrqLOA_TrgBasedScaleFactor_Llls_M_f32	1	1 + 0 01	
TrqLOA_IloaCmd_MtrNm_M_f32 TrqLOA_TrqBasedScaleFactor_Uls_M_f32 target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	1 0	1 ± 0.01	

Test Step 2.27 (Repeat Count = 1)	
Name	Input Value
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.70748055





Name	Input Value
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.100000001
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0250000004
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	4.81785059
TrqLOA_TloaCmd_MtrNm_M_f32	4
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	2
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	3.94893074
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	899.900085
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-64.7299652
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	73.9211426
k_TrqLOA_FallingRampRate_UlspS_f32	-92.2094574
k_TrqLOA_LatAccConversionFactor_Uls_f32	6.6024642
k_TrqLOA_LimOutput_MtrNm_f32	3.43763661
k_TrqLOA_MaxScaleFactor_Uls_f32	0.541755319
k_TrqLOA_MinScaleFactor_Uls_f32 k_TrqLOA_NomDrvTrq_MtrNm_f32	8.71038914
k_TrqLOA_RisingRampRate_UlspS_f32	274.445343
k_TrqLOA_SteerRatio_Uls_f32	69.0654144
k_TrqLOA_UndersteerGrad_RadpG_f32	0.25
k_TrqLOA_Wheelbase_M_f32	13.5281286
t2 TrqLOA DiffGainY UIs u1p15[0][0]	17367
t2 TrqLOA DiffGainY UIs u1p15[0][1]	19333
t2_TrqLOA_DiffGainY_UIs_u1p15[0][2]	21299
t2_TrqLOA_DiffGainY_UIs_u1p15[0][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	21299
t2_TrqLOA_DiffGainY_UIs_u1p15[1][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	21299
t2_TrqLOA_DiffGainY_UIs_u1p15[4][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	17367 19333
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1] t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	21299
t2 TrqLOA DiffGainY UIs u1p15[6][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	26214
t_TrqLOA_DiffGainX_G_u2p14[0]	8684
t_TrqLOA_DiffGainX_G_u2p14[1]	9667
t_TrqLOA_DiffGainX_G_u2p14[2]	10650
t_TrqLOA_DiffGainX_G_u2p14[3]	13107
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	14720
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	15040
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	15360
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	15680
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	16000
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	6554
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	16384
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	19661
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	4096
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	4915
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	8192
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	9011 12288
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	13107
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5] t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	16384
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	17203
	11.200





Name	Input Value		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	13107		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	21709		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	23347		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	20480		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	26624		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	28262		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	33997		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	31539		
t_TrqLOA_X_Kph_u10p6[0]	12352		
t_TrqLOA_X_Kph_u10p6[1]	12416		
t_TrqLOA_X_Kph_u10p6[2]	12480		
t_TrqLOA_X_Kph_u10p6[3]	12544		
t_TrqLOA_X_Kph_u10p6[4]	12608		
t_TrqLOA_X_Kph_u10p6[5]	12672		
t_TrqLOA_X_Kph_u10p6[6]	12736		
t_TrqLOA_X_Kph_u10p6[7]	12800		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthority_U	Jls_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecSq_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelValid_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_HwDeg_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc	target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpeed_Kph_f3	2	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0.937400222		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	9.64863396		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	798.184937		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	965.266174		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	440.77774		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.799987793	0.799987793	•
TrqLOA_LatAccelSV_g_M_Str.SV_UIs_f32	0.121058829	0.121058829 ± 0.01	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	1.81558108	1.81558108 ± 0.01	
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0	0 ± 0.01	

Test Step 2.28 (Repeat Count = 1)	
Name	Input Value
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.891314507
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.150000006
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0254999995
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	2.92311072
TrqLOA_TloaCmd_MtrNm_M_f32	4.5
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	2
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	0.15940845
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	76.9195099
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-40.4109612
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	43.2055435
k_TrqLOA_FallingRampRate_UlspS_f32	-507.348114
k_TrqLOA_LatAccConversionFactor_Uls_f32	0.904162347
k_TrqLOA_LimOutput_MtrNm_f32	0.713699758
k_TrqLOA_MaxScaleFactor_Uls_f32	1
k_TrqLOA_MinScaleFactor_Uls_f32	0.510908365
k_TrqLOA_NomDrvTrq_MtrNm_f32	4.01333714
k_TrqLOA_RisingRampRate_UlspS_f32	467.790863
k_TrqLOA_SteerRatio_Uls_f32	51.5931358
k_TrqLOA_UndersteerGrad_RadpG_f32	0.25
k_TrqLOA_Wheelbase_M_f32	19.8509865
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	655





News	Inneré Voles
Name	Input Value
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	2458
t2_TrqLOA_DiffGainY_UIs_u1p15[1][2]	4915 6226
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3] t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	2458
t2_TrqLOA_DiliGainY_Uls_u1p15[2][1]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	655
t2 TrqLOA DiffGainY Uls u1p15[3][1]	2458
	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2] t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	6226
t2_TrqLOA_DiffGainY_UIs_u1p15[3][3]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	2458
t2_TrqLOA_DiriGainY_UIs_u1p15[4][1]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	4915
t2_TrqLOA_DiliGainY_Uls_u1p15[5][2]	6226
	655
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	
t2_TrqLOA_DiffGainY_UIs_u1p15[6][1]	2458 4915
t2_TrqLOA_DiffGainY_UIs_u1p15[6][2]	6226
t2_TrqLOA_DiffGainY_UIs_u1p15[6][3]	655
t2_TrqLOA_DiffGainY_UIs_u1p15[7][0]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1] t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	2458 4915
tz_IrqLOA_DiffGainY_Uis_u1p15[7][2] t2_TrqLOA_DiffGainY_Uis_u1p15[7][3]	4915 6226
	10486
t_TrqLOA_DiffGainX_G_u2p14[0]	
t_TrqLOA_DiffGainX_G_u2p14[1]	11469
t_TrqLOA_DiffGainX_G_u2p14[2]	12780 16384
t_TrqLOA_DiffGainX_G_u2p14[3]	16320
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	16640
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	16960
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	17280
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	17600
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	6554
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	13107 16384
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	19661
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4] t TrqLOA LatAccGain Y MtrNmpG u4p12[0]	20480
	21299
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1] t TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	24576
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	
	25395 28672
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4] t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	29491
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	32768
t TrqLOA_LatAccGain Y MtrNmpG u4p12[7]	33587
t TrqLOA TempTrqCmdSatYTbl MtrNm u4p12[0]	13926
	22938
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1] t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	22938
	20890
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3] t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	27443
	29082
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	29082 35226
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	32358
t_TrqLOA_X_Kph_u10p6[0]	12864 12928
t_TrqLOA_X_Kph_u10p6[1]	
t_TrqLOA_X_Kph_u10p6[2]	12992
t_TrqLOA_X_Kph_u10p6[3]	13056 13120
t_TrqLOA_X_Kph_u10p6[4]	13120
t_TrqLOA_X_Kph_u10p6[5]	13184
t_TrqLOA_X_Kph_u10p6[6]	
t_TrqLOA_X_Kph_u10p6[7]	13312
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthority_UIs_f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecSq_f32
target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_LatAccelValid_Cnt_Igc	target_TrqLOA_Per1_LatAccelValid_Cnt_lgc
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32

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TrqLOA_Per1

Name	Input Value		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpeed_Kph	_f32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0.596330881		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	2.97075582		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	0		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-753.304749		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	932.416565		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	497.813354		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.810492575	0.810492575	✓
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.17708917	0.17708917 ± 0.01	✓
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	2.84024596	2.84024572 ± 0.01	✓
TrqLOA_TloaCmd_MtrNm_M_f32	0.713699758	0.713699758 ± 0.01	✓
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.98530376	0.98530376 ± 0.01	✓
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	✓
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0.713699758	0.713699758 ± 0.01	~

Input Value target Rte Inst Ap TrqLOA	
1	
0.200000003	
6554	
8192	
9830	
6554	
8192	
9503	
9830	
6554	
8192	
9503	
9830	
6554	
8192	
9503	
9830	
6554	
8192	
9503	
9830	
6554	
8192	
9503	
9830	
6554	
8192	
9503	
	0.0260000005 2.99349976 5 -0.206497729 8.93306541 328.252716 -29.5855579 73.3554611 -734.655823 9.01974106 0.352978289 0.534686923 1 7.82537937 984.492065 35.3515091 0.25 20 6554 8192 9503 9830 6554 8192 9503 9830 6554 8192 9503 9830 6554 8192 9503 9830 6554 8192 9503 9830 6554 8192 9503 9830 6554 8192 9503





Name	Input Value		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	8192		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	9503		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	9830		
t_TrqLOA_DiffGainX_G_u2p14[0]	12288		
t_TrqLOA_DiffGainX_G_u2p14[1]	13271		
t_TrqLOA_DiffGainX_G_u2p14[2]	14909		
t_TrqLOA_DiffGainX_G_u2p14[3]	19661		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	17920		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	18240		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	18560		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	18880		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	19200		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	6554		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	9830		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	13107		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	16384		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	19661 36864		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	37683		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1] t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	40960		
t_TrqLOA_LatAccGain_Y_mtrNmpG_u4p12[2] t_TrqLOA_LatAccGain_Y_mtrNmpG_u4p12[3]	41779		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	45056		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	45875		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	49152		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	49971		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	4096		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	8192		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	14336		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	15974		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	17613		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	19251		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	20480		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	22528		
t_TrqLOA_X_Kph_u10p6[0]	13376		
t_TrqLOA_X_Kph_u10p6[1]	13440		
t_TrqLOA_X_Kph_u10p6[2]	13504		
t_TrqLOA_X_Kph_u10p6[3]	13568		
t_TrqLOA_X_Kph_u10p6[4]	13632		
t_TrqLOA_X_Kph_u10p6[5]	13696		
t_TrqLOA_X_Kph_u10p6[6]	13760		
t_TrqLOA_X_Kph_u10p6[7]	13824		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_Handwheel	Authority_Uls_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_Mp		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelVa		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaN		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOAAva		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACm		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSpe		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpe	ea_kpn_t32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	1		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-7.3074398		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1 1365.13013		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value target TrqLOA_Per1_RelHwPos_HwDeg_f32.value	743.590393		
target_IrqLOA_Per1_RelHwPos_HwDeg_t32.value target TrqLOA_Per1_VehicleSpeedValid Cnt_lgc.value	743.590393		
target_TrqLOA_Per1_venicleSpeedvalid_Cnt_igc.value target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	88.6752625		
		Even eta d Value	Dec. 1
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.94082886	0.94082886	¥
TrqLOA_LatAccelSV_g_M_Str.SV_UIs_f32 TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0.211448729	0.211448729 ± 0.01	_
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	•
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	•
TrqLOA TrqBasedScaleFactor Uls M f32	I	1 ± 0.01	
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	→

Test Step 2.30 (Repeat Count = 1)	✓
Name	Input Value
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA





Name	Input Value
TrqLOA_LatAccScaleFactor_Uls_M_f32	1
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.25
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0264999997
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-0.13867566
TrqLOA_TloaCmd_MtrNm_M_f32	5.5
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.833204865
k_TrqLOA_AbsAssistThreshold_MtrNm_f32 k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	6.20932293 659.015991
k_TrqLOA_AbsverTillesiloid_iviti Radp3_132 k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-67,2214966
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	11.0838623
k_TrqLOA_FallingRampRate_UlspS_f32	-201.624084
k_TrqLOA_LatAccConversionFactor_Uls_f32	5.47973728
k_TrqLOA_LimOutput_MtrNm_f32	1.9202379
k_TrqLOA_MaxScaleFactor_Uls_f32	0.0276153088
k_TrqLOA_MinScaleFactor_Uls_f32	0.237777233
k_TrqLOA_NomDrvTrq_MtrNm_f32	7.01409388
k_TrqLOA_RisingRampRate_UlspS_f32	85.6128311
k_TrqLOA_SteerRatio_Uls_f32	83.8017349
k_TrqLOA_UndersteerGrad_RadpG_f32	0.239458829
k_TrqLOA_Wheelbase_M_f32	7.51533031
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	13107
t2_TrqLOA_DiffGainY_UIs_u1p15[1][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	13107
t2_TrqLOA_DiffGainY_UIs_u1p15[2][0]	10158
t2_TrqLOA_DiffGainY_UIs_u1p15[2][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2] t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	12780 13107
t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	13107
t2_TrqLOA_DiffGainY_UIs_u1p15[4][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	12124
t2_TrqLOA_DiffGainY_UIs_u1p15[4][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	12124
t2_TrqLOA_DiffGainY_UIs_u1p15[7][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	13107
t_TrqLOA_DiffGainX_G_u2p14[0]	14090
t_TrqLOA_DiffGainX_G_u2p14[1]	15073
t_TrqLOA_DiffGainX_G_u2p14[2]	17039
t_TrqLOA_DiffGainX_G_u2p14[3] t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	22938 19520
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1] t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	19840 20160
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	20480
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	20800
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	6554
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	16384
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	19661
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	53248
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	54067
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	56115
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	56934
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	58163
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	60211





Name	Input Value			
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	61030			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	4915			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	9421			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	15155			
t TrqLOA TempTrqCmdSatYTbl MtrNm u4p12[3]	16384			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	18432			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	20070			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	21709			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	23347			
t_TrqLOA_X_Kph_u10p6[0]	13888			
t TrqLOA X Kph u10p6[1]	13952			
t TrqLOA X Kph u10p6[2]	14016			
t TrqLOA X Kph u10p6[3]	14080			
t_TrqLOA_X_Kph_u10p6[4]	14144			
t_TrqLOA_X_Kph_u10p6[5]	14208			
t TrqLOA X Kph u10p6[6]	14272			
t TrqLOA X Kph u10p6[7]	14336			
target Rte Inst Ap TrqLOA.TrqLOA Per1 HandwheelAuthority Uls f32	target TrqLOA Per1 HandwheelAuthor	rity Uls f32		
target Rte Inst Ap TrqLOA.TrqLOA Per1 LatAcc MpSecSq f32	target TrqLOA Per1 LatAcc MpSecSc			
target Rte Inst Ap TrqLOA.TrqLOA Per1 LatAccelValid Cnt Igc	target TrqLOA Per1 LatAccelValid Cr	-		
target Rte Inst Ap TrqLOA.TrqLOA Per1 MotAgLoaMtgtnEn Cnt Igc	target TrqLOA Per1 MotAgLoaMtgtnEn Cnt Igc			
target Rte Inst Ap TrqLOA.TrqLOA Per1 MtrVelCRF MtrRadpS f32	target TrqLOA Per1 MtrVelCRF MtrRadpS f32			
target Rte Inst Ap TrqLOA.TrqLOA Per1 RelHwPos HwDeg f32	target TrqLOA Per1 RelHwPos HwDeg f32			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc	target_TrqLOA_Per1_TrqLOAAvail_Cnt_Igc			
target Rte Inst Ap TrqLOA.TrqLOA Per1 TrqLOACmd MtrNm f32	target TrqLOA Per1 TrqLOACmd MtrNm f32			
target Rte Inst Ap TrqLOA.TrqLOA Per1 VehicleSpeedValid Cnt Igc	target TrqLOA Per1 VehicleSpeedValid Cnt Igc			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpeed_Kp	oh f32		
target TrqLOA Per1 HandwheelAuthority Uls f32.value	1	_		
target TrqLOA Per1 LatAcc MpSecSq f32.value	8.15013218			
target TrqLOA Per1 LatAccelValid Cnt Igc.value	1			
target TrqLOA Per1 MotAgLoaMtgtnEn Cnt Igc.value	1			
target TrqLOA Per1 MtrVelCRF MtrRadpS f32.value	-1633.13428			
target TrqLOA Per1 RelHwPos HwDeg f32.value	46.1315651			
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc.value	0			
target TrgLOA Per1 VehicleSpeed Kph f32.value	0			
Name	Actual Value	Expected Value	Result	
TrgLOA LatAccScaleFactor Uls M f32	0.865557015	0.865557015	11000.11	
TrqLOA LatAccelSV g M Str.SV Uls f32	0.243375003	0.243375003 ± 0.01		
TrgLOA ScaledMtrTrgCmd MtrNm M f32	0	0 ± 0.01		
TrqLOA_ScaledWithTqCind_WithWin_W_i32 TrqLOA TloaCmd MtrNm M f32	0	0 ± 0.01		
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.429956675	0.429956704 ± 0.01		
target TrqLOA Per1 TrqLOAAvail Cnt Igc.value	0.429930073	0.429930704 1 0.01		
target_riquon_reri_riquonavaii_ont_ige.value	0	0 ± 0.01		

Test Step 2.31 (Repeat Count = 1)	✓
Name	Input Value
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA
TrqLOA_LatAccScaleFactor_Uls_M_f32	1
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.300000012
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0270000007
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	2.90837574
TrqLOA_TloaCmd_MtrNm_M_f32	6
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-1.990798
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	6.15136528
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	103.625046
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-71.3969955
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	81.8016815
k_TrqLOA_FallingRampRate_UlspS_f32	-665.857605
k_TrqLOA_LatAccConversionFactor_Uls_f32	4.77330208
k_TrqLOA_LimOutput_MtrNm_f32	2.50067353
k_TrqLOA_MaxScaleFactor_Uls_f32	0.782106519
k_TrqLOA_MinScaleFactor_Uls_f32	1
k_TrqLOA_NomDrvTrq_MtrNm_f32	8.80000019
k_TrqLOA_RisingRampRate_UlspS_f32	15.2650385
k_TrqLOA_SteerRatio_Uls_f32	58.025032
k_TrqLOA_UndersteerGrad_RadpG_f32	0.25
k_TrqLOA_Wheelbase_M_f32	10.3837967
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	19661





Name	Input Value
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	19661
t2_TrqLOA_DiffGainY_UIs_u1p15[2][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3] t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	19661 13763
t2_TrqLOA_DiliGainY_Uls_u1p15[4][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	19661
t_TrqLOA_DiffGainX_G_u2p14[0]	15892
t_TrqLOA_DiffGainX_G_u2p14[1]	16876
t_TrqLOA_DiffGainX_G_u2p14[2]	19169
t_TrqLOA_DiffGainX_G_u2p14[3]	26214
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	21120
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	21440
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	21760
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	22080
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	22400
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	6554
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	13107 16384
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3] t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	19661
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	4096
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	4915
t TrqLOA LatAccGain Y MtrNmpG u4p12[2]	8192
t TrqLOA LatAccGain Y MtrNmpG u4p12[3]	9011
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	12288
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	13107
t TrqLOA LatAccGain Y MtrNmpG u4p12[6]	16384
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	17203
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	5734
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	10650
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	15974
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	16794
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	19251
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	20890
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	22938
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	24166
t_TrqLOA_X_Kph_u10p6[0]	14400
t_TrqLOA_X_Kph_u10p6[1]	14464
t_TrqLOA_X_Kph_u10p6[2]	14528
t_TrqLOA_X_Kph_u10p6[3]	14592
t_TrqLOA_X_Kph_u10p6[4]	14656
t_TrqLOA_X_Kph_u10p6[5]	14720
t_TrqLOA_X_Kph_u10p6[6]	14784
t_TrqLOA_X_Kph_u10p6[7]	14848
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_UIs_f32	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecSq_f32
torrect Die Inst An Trel CA Trel CA Dead Letter DV III C 1 1	target_TrqLOA_Per1_LatAccelValid_Cnt_lgc
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_Igc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc

target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value

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Name	Input Value			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOAC	target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc	target_TrqLOA_Per1_VehicleS	peedValid_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleS	peed_Kph_f32		
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0.527585864			
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-9.15404129			
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	1			
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1			
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-1959.27441	-1959.27441		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	302.507568	302.507568		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	0	0		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	511	511		
Name	Actual Value	Expected Value	Result	
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.857205987	0.857205987	✓	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.301532269	0.301532269 ± 0.01	~	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	~	
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	~	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-1.9602679	-1.9602679 ± 0.01	~	
target TrqLOA Per1 TrqLOAAvail Cnt Igc.value	0	0	✓	

0

0 ± 0.01

Name	Input Value	
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA	
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.0451312065	
TrgLOA_LatAccelSV g M Str.SV Uls f32	0.34999994	
FrgLOA_LatAccelSV g M Str.K Uls f32	0.0274999999	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	2.35314679	
TrgLOA_ocalcumu rqoma_murmi_m_io2	6.5	
TrgLOA_TrgBasedScaleFactor Uls M f32	2	
<pre>c_TrqLOA_NbsAssistThreshold_MtrNm_f32</pre>	8.32529926	
TrqLOA_AbsVelThreshold MtrRadpS f32	396.538757	
<pre><_frqLOA_Ausverrineshoid_wittRadp3_i32</pre> <pre><_frqLOA_DiffScaleRateLimiterFalling_UlspS_f32</pre>	-16.9330521	
TrqLOA DiffScaleRateLimiterRising UlspS f32	9.62668037	
<pre><_TrqLOA_FallingRampRate_UlspS_f32</pre>	-738.304871	
<pre><_TrqLOA_i allingramprate_olspo_loz</pre> <pre><_TrqLOA_LatAccConversionFactor_Uls_f32</pre>	7.49069738	
C TrqLOA LimOutput MtrNm f32	3.90022373	
C_frqLOA_LimOutput_witrviii_is2 c_frqLOA_MaxScaleFactor_Uls_f32	1	
C_TrqLOA_MinScaleFactor_UIs_f32	0.436335325	
C_TrqLOA_Millocaleraciol_ols_i32	8.8000019	
<pre><_frqLOA_NotingPrint_muthIn_i32</pre> <pre><_frqLOA_RisingRampRate_UlspS_f32</pre>	957.202148	
C_TrqLOA_SteerRatio_Uls_f32	20.383215	
TrqLOA_Gleentatio_Gis_lisz TrqLOA UndersteerGrad RadpG f32	0.25	
<pre><_frqLOA_Wheelbase_M_f32</pre>	10.1302967	
2 TrqLOA DiffGainY Uls u1p15[0][0]	17367	
2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	19333	
2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	21299	
2 TrqLOA_DiffGainY_UIs_u1p15[0][3]	26214	
2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	17367	
2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	19333	
2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	21299	
2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	26214	
2 TrqLOA DiffGainY Uls u1p15[2][0]	17367	
2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	19333	
2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	21299	
2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	26214	
2 TrqLOA DiffGainY Uls u1p15[3][0]	17367	
2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	19333	
2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	21299	
2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	26214	
2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	17367	
2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	19333	
2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	21299	
2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	26214	
2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	17367	
2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	19333	
2_TrqLOA_DiliGainY_Ois_u1p15[5][1] 2 TrqLOA DiffGainY Uls u1p15[5][2]	21299	
2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	26214	
2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	17367	
2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	19333	
2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	21299	
2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	26214	

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Name	Input Value		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	17367		
t2 TrqLOA DiffGainY Uls u1p15[7][1]	19333		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	21299		
t2_TrqLOA_DiffGainY_UIs_u1p15[7][3]	26214		
t_TrqLOA_DiffGainX_G_u2p14[0]	17695		
t TrqLOA DiffGainX G u2p14[1]	18678		
t_TrqLOA_DiffGainX_G_u2p14[2]	21299		
t_TrqLOA_DiffGainX_G_u2p14[3]	29491		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	22720		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	23040		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	23360		
t TrqLOA HighSpeedTrqBlend X Kph u10p6[3]	23680		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	24000		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	9830		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	13107		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	16384		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	19661		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	22938		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	20480		
t TrqLOA LatAccGain Y MtrNmpG u4p12[1]	21299		
t TrqLOA LatAccGain Y MtrNmpG u4p12[1]	24576		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	25395		
t TrqLOA_LatAccGain Y MtrNmpG u4p12[3]	28672		
t TrqLOA LatAccGain Y MtrNmpG u4p12[5]	29491		
t TrqLOA_LatAccGain_Y MtrNmpG_u4p12[6]	32768		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	33587		
	6554		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	11878		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	16794		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	17203		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	20070		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	21709		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	24166		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	24986		
t_TrqLOA_X_Kph_u10p6[0]	14912		
t_TrqLOA_X_Kph_u10p6[1]	14976		
t_TrqLOA_X_Kph_u10p6[2]	15040		
t_TrqLOA_X_Kph_u10p6[3]	15104		
t_TrqLOA_X_Kph_u10p6[4]	15168		
t_TrqLOA_X_Kph_u10p6[5]	15232		
t_TrqLOA_X_Kph_u10p6[6]	15296		
t_TrqLOA_X_Kph_u10p6[7]	15360		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuth		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecS		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_Igc	target_TrqLOA_Per1_LatAccelValid_C		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMtgtn		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_Mtrl		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_HwD		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc	target_TrqLOA_Per1_TrqLOAAvail_Cr		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_M		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc	target_TrqLOA_Per1_VehicleSpeedVa		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpeed_h	Kph_f32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0.558684111		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	6.74035311		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	0		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	725.383057		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-86.1812897		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	115		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.0643845648	0.0643845648	-
TrqLOA LatAccelSV g M Str.SV Uls f32	0.334533066	0.334523976 ± 0.01	✓
11qE0/(_Edit 100010 V_g_11/_011.0 V_010_102			
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	-
		0 ± 0.01 0 ± 0.01	•
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0		
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32 TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	•



Test Step 2.33 (Repeat Count = 1)	
Name	Input Value
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA
TrqLOA_LatAccScaleFactor_Uls_M_f32	1
TrqLOA_LatAccelSV_g_M_Str.SV_UIs_f32	0.40000006
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0280000009
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	8.80000019
TrqLOA_TloaCmd_MtrNm_M_f32	7
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	2
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	8.86581421
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	822.262451
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-85.1996994
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	27.1538162
k_TrqLOA_FallingRampRate_UlspS_f32	-942.832275
k_TrqLOA_LatAccConversionFactor_Uls_f32 k_TrqLOA_LimOutput_MtrNm_f32	0.100000001 1.91650236
k_TrqLOA_LimOutput_winNii_i32 k_TrqLOA_MaxScaleFactor_Uls_f32	0.808199286
k_TrqLOA_MinScaleFactor_Uls_f32	0.928993344
k_TrqLOA_NomDrvTrq_MtrNm_f32	5.1365633
k_TrqLOA_RisingRampRate_UlspS_f32	630.897095
k_TrqLOA_SteerRatio_Uls_f32	46.9744377
k_TrqLOA_UndersteerGrad_RadpG_f32	0.25
k_TrqLOA_Wheelbase_M_f32	10.178853
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2] t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	4915 6226
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	655
t2_TrqLOA_DiffGainY_UIs_u1p15[2][1]	2458
t2_TrqLOA_DiffGainY_UIs_u1p15[2][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	2458
t2_TrqLOA_DiffGainY_UIs_u1p15[4][2]	4915 6226
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3] t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	2458
t2_TrqLOA_DiffGainY_UIs_u1p15[5][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	4915
t2_TrqLOA_DiffGainY_UIs_u1p15[7][3]	6226 328
t_TrqLOA_DiffGainX_G_u2p14[0] t TrqLOA_DiffGainX_G_u2p14[1]	1229
t TrgLOA DiffGainX G u2p14[1]	2458
t_TrqLOA_DiffGainX_G_u2p14[3]	3113
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	320
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	640
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	960
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	1280
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	1600
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	16384
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	19661
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4] t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	22938 36864
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	37683
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	40960
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	41779





Name	Input Value		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	45056		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	45875		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	49152		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	49971		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	7373		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	13107		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	17613		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	17613		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	20890		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	22528		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	25395		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	25805		
t_TrqLOA_X_Kph_u10p6[0]	15424		
t_TrqLOA_X_Kph_u10p6[1]	15488		
t_TrqLOA_X_Kph_u10p6[2]	15552		
t_TrqLOA_X_Kph_u10p6[3]	15616		
t_TrqLOA_X_Kph_u10p6[4]	15680		
t_TrqLOA_X_Kph_u10p6[5]	15744		
t_TrqLOA_X_Kph_u10p6[6]	15808		
t_TrqLOA_X_Kph_u10p6[7]	15872		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecSq_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelValid_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_Hw		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOAAvail_0		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_I		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_TrqLOA.TrqLOA Per1_VehicleSpeed Kph f32	target_TrqLOA_Per1_VehicleSpeed		
target TrqLOA Per1 HandwheelAuthority Uls f32.value	target_TrqLOA_Per1_VehicleSpeed_	_Kpii_i32	
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-2.45094824		
target TrqLOA Per1 LatAccelValid Cnt Igc.value	1		
target TrqLOA Per1 MotAgLoaMtgtnEn Cnt Igc.value	0		
target TrqLOA Per1 MtrVelCRF MtrRadpS f32.value	-1694.61267		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-686.74469		
target TrqLOA Per1 VehicleSpeedValid Cnt Igc.value	0		
target TrqLOA Per1 VehicleSpeed Kph f32.value	144.32724		
Name	Actual Value	Expected Value	Result
TrgLOA LatAccScaleFactor Uls M f32	0.829600573	0.829600573	Result
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.365909666	0.365909666 ± 0.01	
TrqLOA ScaledMtrTrqCmd MtrNm M f32	-0.97111702	-0.97111702 ± 0.01	
TrqLOA_TloaCmd_MtrNm_M_f32	-0.97111702	-0.97111702 ± 0.01	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.928993344	0.928993344 ± 0.01	
target TrqLOA Per1 TrqLOAAvail Cnt Igc.value	0.525555544	0.320333344 1 0.01	
target TrgLOA Per1 TrgLOACmd MtrNm f32.value	-0.97111702	-0.97111702 ± 0.01	

Name	Input Value	
Rte Inst Ap TrqLOA	target Rte Inst Ap TrqLOA	
TrgLOA LatAccScaleFactor Uls M f32	1	
TrqLOA LatAccelSV q M Str.SV Uls f32	0.449999988	
TrqLOA LatAccelSV q M Str.K Uls f32	0.0285	
TrqLOA ScaledMtrTrqCmd MtrNm M f32	6.91065264	
TrqLOA TloaCmd MtrNm M f32	7.5	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-1.5386678	
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	1.86981726	
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	73.6345139	
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-20.5877991	
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	9.75349903	
k_TrqLOA_FallingRampRate_UlspS_f32	-627.704895	
k_TrqLOA_LatAccConversionFactor_Uls_f32	10	
k_TrqLOA_LimOutput_MtrNm_f32	5.51037836	
k_TrqLOA_MaxScaleFactor_Uls_f32	1	
k_TrqLOA_MinScaleFactor_Uls_f32	1	
k_TrqLOA_NomDrvTrq_MtrNm_f32	4.54602098	
k_TrqLOA_RisingRampRate_UlspS_f32	54.7308502	
k_TrqLOA_SteerRatio_Uls_f32	19.953455	
k_TrqLOA_UndersteerGrad_RadpG_f32	0.25	
k_TrqLOA_Wheelbase_M_f32	0.637766242	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	6554	





Name	Input Value
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	8192
t2 TrqLOA DiffGainY Uls u1p15[0][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	9830
t2_TrqLOA_DiffGainY_UIs_u1p15[1][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	9830
t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	9830
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	9830 6554
t2_TrqLOA_DiffGainY_UIs_u1p15[4][0]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1] t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	9503
t2_TrqLOA_DilfGainY_Uls_u1p15[4][3]	9830
t2_TrqLOA_DiffGainY_UIs_u1p15[5][0]	6554
t2 TrqLOA DiffGainY Uls u1p15[5][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	9830
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	9830
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	8192
t2_TrqLOA_DiffGainY_UIs_u1p15[7][2]	9503
t2_TrqLOA_DiffGainY_UIs_u1p15[7][3]	9830
t_TrqLOA_DiffGainX_G_u2p14[0]	3277
t_TrqLOA_DiffGainX_G_u2p14[1]	4096
t_TrqLOA_DiffGainX_G_u2p14[2]	4751
t_TrqLOA_DiffGainX_G_u2p14[3]	4915
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	1920
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	2240
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	2560
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	2880
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	3200
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2] t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	16384 19661
t TrqLOA HighSpeedTrqBlend Y Uls u1p15[4]	22938
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	53248
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	54067
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	56115
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	56934
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	58163
t TrqLOA LatAccGain Y MtrNmpG u4p12[5]	60211
t TrqLOA LatAccGain Y MtrNmpG u4p12[6]	60621
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	61030
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	8192
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	14336
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	18432
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	18022
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	21709
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	23347
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	26624
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	26624
t_TrqLOA_X_Kph_u10p6[0]	15936
t_TrqLOA_X_Kph_u10p6[1]	16000
t_TrqLOA_X_Kph_u10p6[2]	16064
t_TrqLOA_X_Kph_u10p6[3]	16128
t_TrqLOA_X_Kph_u10p6[4]	16192
t_TrqLOA_X_Kph_u10p6[5]	16256
t_TrqLOA_X_Kph_u10p6[6]	16320
t_TrqLOA_X_Kph_u10p6[7]	16384
	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_HandwheelAuthority_Uls_f32	tarnet Trol OA Peril LatAcc MnSecSa 522
target_Rte_inst_Ap_TrqLOA.TrqLOA_Per1_HandwheeiAuthontty_Uis_ts2 target_Rte_inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32 target_Rte_inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAcc_MpSecSq_f32 target_TrqLOA_Per1_LatAccelValid_Cnt_lgc



TrqLOA_Per1

Name	Input Value		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCF	RF_MtrRadpS_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPo	s_HwDeg_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOAA	vail_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOAC	md_MtrNm_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSp	peedValid_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleS	peed_Kph_f32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	1		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-7.66519117		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	416.382568		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	286.772766		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	196.852356		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.958824396	0.958824396	✓
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.465533465	0.465533465 ± 0.01	✓
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	✓
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	✓
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-1.42920613	-1.42920613 ± 0.01	✓
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	✓
target TrgLOA Per1 TrgLOACmd MtrNm f32.value	0	0 ± 0.01	_

Name	Input Value	
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA	
FrgLOA LatAccScaleFactor UIs M f32	0.665592313	
FrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.5	
FrgLOA LatAccelSV g M Str.K Uls f32	0.0289999992	
FrgLOA ScaledMtrTrgCmd MtrNm M f32	-1.63311434	
FrqLOA_TloaCmd_MtrNm_M_f32	8	
FrqLOA_TrqBasedScaleFactor_Uls_M_f32	-0.293881118	
c_TrqLOA_AbsAssistThreshold_MtrNm_f32	2.54366064	
TrqLOA_AbsVelThreshold_MtrRadpS_f32	421.076324	
TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-27.4218597	
TrqLOA DiffScaleRateLimiterRising UlspS f32	25.8486786	
TrqLOA FallingRampRate UlspS f32	-990.534912	
TrqLOA LatAccConversionFactor Uls f32	5.5	
_TrqLOA_LimOutput_MtrNm_f32	8.53811264	
:_TrqLOA_Limoutput_witrviii_is2	0.236881852	
:_TrqLOA_MinScaleFactor_UIs_f32	0.845024467	
C_TrqLOA_NomDrvTrq_MtrNm_f32	1.26870954	
:_TrqLOA_RisingRampRate_UlspS_f32	630.161194	
:_TrqLOA_Ittelingrealin	61.5083542	
TrqLOA_SteerNatio_bis_is2	0.25	
TrqLOA_UndersteerGrad_NadpG_I32	10.0410261	
2 TrqLOA_Wileeloase_iw_i32 2 TrqLOA DiffGainY Uls u1p15[0][0]	10.0410201	
	12124	
2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	12780	
2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	13107	
2_TrqLOA_DiffGainY_Uls_u1p15[0][3]		
2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	10158	
2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	12124	
2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	12780	
2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	13107	
2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	10158	
2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	12124	
2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	12780	
2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	13107	
2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	10158	
2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	12124	
2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	12780	
2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	13107	
2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	10158	
2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	12124	
2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	12780	
2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	13107	
2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	10158	
2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	12124	
2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	12780	
2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	13107	
2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	10158	

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Name	Input Value		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	12124		
t2_TrqLOA_DiffGainY_UIs_u1p15[6][2]	12780		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	13107		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	10158		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	12124		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	12780		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	13107		
t_TrqLOA_DiffGainX_G_u2p14[0] t TrqLOA DiffGainX G u2p14[1]	5079 6062		
t TrqLOA DiffGainX G u2p14[1]	6390		
t_TrqLOA_DiffGainX_G_u2p14[3]	6554		
t TrqLOA HighSpeedTrqBlend X Kph u10p6[0]	3520		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	3840		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	4160		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	4480		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	4800		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	9830		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	13107		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	16384		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	19661		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	22938		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	4096		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	4915		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	8192		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3] t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	9011 12288		
t TrqLOA_LatAccGain_Y MtrNmpG_u4p12[5]	13107		
t TrqLOA_EarAccGain Y MtrNmpG u4p12[6]	16384		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	17203		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	9011		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	15565		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	19251		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	18432		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	22528		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	24166		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	27853		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	27443		
t_TrqLOA_X_Kph_u10p6[0]	16448		
t_TrqLOA_X_Kph_u10p6[1]	16512		
t_TrqLOA_X_Kph_u10p6[2]	16576		
t_TrqLOA_X_Kph_u10p6[3] t_TrqLOA_X_Kph_u10p6[4]	16640 16704		
t_TrqLOA_X_Kph_u10p6[5]	16768		
t_TrqLOA_X_Kph_u10p6[6]	16832		
t TrqLOA X Kph u10p6[7]	16896		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target TrqLOA Per1 Handwhee	Authority Uls f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_Mr	,	
target Rte Inst Ap TrqLOA.TrqLOA Per1 LatAccelValid Cnt Igc	target TrqLOA Per1 LatAccelVa		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoal	MtgtnEn_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos	_HwDeg_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc	target_TrqLOA_Per1_TrqLOAAv	ail_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACn		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSpe		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpe	eed_Kph_f32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	1		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	5.27947807		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	0 -1722.43982		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-1722.43982 225.925964		
target_TrqLOA_Per1_ReinwPos_nwDeg_isz.value target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	146.495758		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.610748589	0.610748589	Result
TrqLOA_LatAcceScaleFactor_UIs_M_f32 TrqLOA_LatAcceISV g M Str.SV UIs f32	0.610748589	0.610748589 0.491507351 ± 0.01	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0.491507351	0.491507351 ± 0.01 0 ± 0.01	
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	
TrgLOA TrgBasedScaleFactor Uls M f32	0.845024467	0.845024467 ± 0.01	
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	1	1	

0

0 ± 0.01

target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value





Test Step 2.36 (Repeat Count = 1)	
Name	Input Value
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA
TrqLOA_LatAccScaleFactor_Uls_M_f32	1
TrgLOA LatAccelSV g M Str.SV Uls f32	0.550000012
TrqLOA LatAccelSV g M Str.K Uls f32	0.0295000002
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	8.00813484
TrqLOA_TloaCmd_MtrNm_M_f32	-8
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.198748589
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	5.77707434
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	6.5142622
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-69.2371216
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	79.5679626
k_TrqLOA_FallingRampRate_UlspS_f32	-711.263794 8.74153614
k_TrqLOA_LatAccConversionFactor_Uls_f32 k_TrqLOA_LimOutput_MtrNm_f32	6.41432095
k_TrqLOA_MaxScaleFactor_Uls_f32	1
k_TrqLOA_MinScaleFactor_Uls_f32	0.60880971
k_TrqLOA_NomDrvTrq_MtrNm_f32	1.13495827
k_TrqLOA_RisingRampRate_UlspS_f32	799.012878
k_TrqLOA_SteerRatio_Uls_f32	1
k_TrqLOA_UndersteerGrad_RadpG_f32	0.25
k_TrqLOA_Wheelbase_M_f32	17.710001
t2_TrqLOA_DiffGainY_UIs_u1p15[0][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	17039
t2_TrqLOA_DiffGainY_UIs_u1p15[0][3]	19661
t2_TrqLOA_DiffGainY_UIs_u1p15[1][0]	13763
t2_TrqLOA_DiffGainY_UIs_u1p15[1][1]	15729 17039
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2] t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	13763
t2_TrqLOA_DiffGainY_UIs_u1p15[3][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	15729
t2_TrqLOA_DiffGainY_UIs_u1p15[4][2]	17039 19661
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3] t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	15729
t2 TrqLOA DiffGainY Uls u1p15[5][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	15729
t2_TrqLOA_DiffGainY_UIs_u1p15[6][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	19661
t2_TrqLOA_DiffGainY_UIs_u1p15[7][0]	13763
t2_TrqLOA_DiffGainY_UIs_u1p15[7][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3] t TrqLOA_DiffGainX_G_u2p14[0]	19661 6881
t_TrqLOA_DiffGainX_G_u2p14[u] t_TrqLOA_DiffGainX_G_u2p14[1]	7864
t TrqLOA DiffGainX G u2p14[2]	8520
t_TrqLOA_DiffGainX_G_u2p14[3]	9830
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	5120
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	5440
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	5760
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	6080
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	6400
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	16384
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	19661 22938
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4] t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	22938
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	21299
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	24576
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	25395





Name	Input Value	
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	28672	
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	29491	
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	32768	
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	33587	
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	9830	
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	16794	
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	20070	
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	18842	
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	23347	
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	24986	
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	29082	
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	28262	
t_TrqLOA_X_Kph_u10p6[0]	16960	
t_TrqLOA_X_Kph_u10p6[1]	17024	
t_TrqLOA_X_Kph_u10p6[2]	17088	
t_TrqLOA_X_Kph_u10p6[3]	17152	
t_TrqLOA_X_Kph_u10p6[4]	17216	
t_TrqLOA_X_Kph_u10p6[5]	17280	
t_TrqLOA_X_Kph_u10p6[6]	17344	
t_TrqLOA_X_Kph_u10p6[7]	17408	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecSq_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelValid_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_HwDeg_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpeed_Kph_f32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	1	
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	4.72714806	
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0	
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	0	
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	1863.97424	
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	708.787415	
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	0	
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	199.909302	
Name	Actual Value Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.861525774 0.861525774	•
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	1.72507906 1.72507918 ± 0.01	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	1.44732964 ± 0.01	•
TrqLOA_TloaCmd_MtrNm_M_f32	1.44732964 ± 0.01	•
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	1 1 ± 0.01	
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	
target TrqLOA Per1 TrqLOACmd MtrNm f32.value	1.44732964 ± 0.01	

Name	Input Value	
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA	
TrqLOA_LatAccScaleFactor_Uls_M_f32	1	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.60000024	
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.029999993	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	2.64204121	
TrqLOA_TloaCmd_MtrNm_M_f32	-7.5	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-0.52260977	
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	4.37450218	
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	555.597839	
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-40.9015045	
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	35.3331413	
k_TrqLOA_FallingRampRate_UlspS_f32	-935.732483	
k_TrqLOA_LatAccConversionFactor_Uls_f32	3.99184752	
k_TrqLOA_LimOutput_MtrNm_f32	3.54496264	
k_TrqLOA_MaxScaleFactor_Uls_f32	0.83965385	
k_TrqLOA_MinScaleFactor_Uls_f32	1	
k_TrqLOA_NomDrvTrq_MtrNm_f32	8.77077007	
k_TrqLOA_RisingRampRate_UlspS_f32	300.217072	
k_TrqLOA_SteerRatio_Uls_f32	100	
k_TrqLOA_UndersteerGrad_RadpG_f32	0.25	
k_TrqLOA_Wheelbase_M_f32	13.9105654	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	17367	





Name	Input Value
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	19333 21299
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2] t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	26214
t2_TrqLOA_DiffGainY_UIs_u1p15[4][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[4][2] t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	21299 26214
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	21299
t2_TrqLOA_DiffGainY_UIs_u1p15[6][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	26214
t_TrqLOA_DiffGainX_G_u2p14[0] t_TrqLOA_DiffGainX_G_u2p14[1]	8684 9667
t_TrqLOA_DiffGainX_G_u2p14[1]	10650
t_TrqLOA_DiffGainX_G_u2p14[3]	13107
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	6720
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	7040
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	7360
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	7680
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	8000
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	16384
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	19661
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4] t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	22938 36864
t TrqLOA_LatAccGain Y MtrNmpG_u4p12[1]	37683
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	40960
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	41779
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	45056
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	45875
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	49152
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	49971
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	10650
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	18022
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	20890
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	19251
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	24166 25805
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5] t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	30310
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	29082
t_TrqLOA_X_Kph_u10p6[0]	17472
t_TrqLOA_X_Kph_u10p6[1]	17536
t_TrqLOA_X_Kph_u10p6[2]	17600
t_TrqLOA_X_Kph_u10p6[3]	17664
t_TrqLOA_X_Kph_u10p6[4]	17728
t_TrqLOA_X_Kph_u10p6[5]	17792
t_TrqLOA_X_Kph_u10p6[6]	17856
t_TrqLOA_X_Kph_u10p6[7]	17920
target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_HandwheelAuthority_UIs_f32	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecSq_f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelValid_Cnt_lgc





Name	Input Value		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_	MtrRadpS_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_F	HwDeg_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOAAvail	I_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd	_MtrNm_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSpee	dValid_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpee	d_Kph_f32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	1		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	10		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-1655.42114		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-265.072357		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	172.637421		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.918196976	0.918196976	✓
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.577513218	0.577513158 ± 0.01	✓
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	✓
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	✓
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.0778244138	0.077824384 ± 0.01	✓
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	✓
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0	0 ± 0.01	✓

Test Step 2.38 (Repeat Count = 1)	le constitution of the con	
Name	Input Value	
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA	
rqLOA_LatAccScaleFactor_Uls_M_f32	1	
FrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.649999976	
FrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0305000003	
rqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	2.70486045	
FrqLOA_TloaCmd_MtrNm_M_f32	-7	
FrqLOA_TrqBasedScaleFactor_Uls_M_f32	-0.940626979	
c_TrqLOA_AbsAssistThreshold_MtrNm_f32	10	
c_TrqLOA_AbsVelThreshold_MtrRadpS_f32	429.092407	
c_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-93.3903503	
<pre>c_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32</pre>	63.4560089	
C_TrqLOA_FallingRampRate_UlspS_f32	-663.422974	
c_TrqLOA_LatAccConversionFactor_Uls_f32	3.26073194	
C_TrqLOA_LimOutput_MtrNm_f32	4.96274185	
C_TrqLOA_MaxScaleFactor_Uls_f32	1	
<pre><_TrqLOA_MinScaleFactor_Uls_f32</pre>	1	
k_TrqLOA_NomDrvTrq_MtrNm_f32	2.74715996	
k_TrqLOA_RisingRampRate_UlspS_f32	709.764343	
k_TrqLOA_SteerRatio_Uls_f32	50.5	
x_TrqLOA_UndersteerGrad_RadpG_f32	0.25	
x_TrqLOA_Wheelbase_M_f32	17.6551552	
2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	655	
2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	2458	
2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	4915	
2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	6226	
2 TrqLOA DiffGainY Uls u1p15[1][0]	655	
2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	2458	
2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	4915	
2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	6226	
2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	655	
2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	2458	
2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	4915	
2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	6226	
2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	655	
2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	2458	
2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	4915	
2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	6226	
2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	655	
2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	2458	
2 TrqLOA DiffGainY Uls u1p15[4][2]	4915	
2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	6226	
2_TrqLOA_DiliGainY_Uls_u1p15[4][3] 2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	655	
2_TrqLOA_DiliGainY_Uls_u1p15[5][0]	2458	
	4915	
2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	6226	
:2_TrqLOA_DiffGainY_Uls_u1p15[5][3] :2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	655	

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TrqLOA_Per1



Name	Input Value		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	2458		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	4915		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	6226		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	655		
t2_TrqLOA_DiffGainY_UIs_u1p15[7][1]	2458		
t2_TrqLOA_DiffGainY_UIs_u1p15[7][2]	4915		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	6226		
t_TrqLOA_DiffGainX_G_u2p14[0]	10486		
t TrqLOA DiffGainX G u2p14[1]	11469		
t_TrqLOA_DiffGainX_G_u2p14[2]	12780		
t_TrqLOA_DiffGainX_G_u2p14[3]	16384		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	8320		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	8640		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	8960		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	9280		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	9600		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	9830		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	13107		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	16384		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	19661		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	22938		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	53248		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	54067		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	56115		
t TrqLOA LatAccGain Y MtrNmpG u4p12[3]	56934		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	58163 60211		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]			
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	60621		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	61030		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	11469		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	19251		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	21709		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	19661		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	24986		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	26624		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	31539		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	29901		
t_TrqLOA_X_Kph_u10p6[0]	17984		
t_TrqLOA_X_Kph_u10p6[1]	18048		
t_TrqLOA_X_Kph_u10p6[2]	18112		
t_TrqLOA_X_Kph_u10p6[3]	18176		
t_TrqLOA_X_Kph_u10p6[4]	18240		
t TrqLOA X Kph u10p6[5]	18304		
t_TrqLOA_X_Kph_u10p6[6]	18368		
t_TrqLOA_X_Kph_u10p6[7]	18432		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAutho		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecS		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelValid_Cr		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMtgtnE	En_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrR	RadpS_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_HwDe	eg_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc	target_TrqLOA_Per1_TrqLOAAvail_Cn	t_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_Mtr	rNm_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSpeedVal		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpeed_K		
target_TrqLOA_Per1_HandwheelAuthority_UIs_f32.value	0.453732014	. = -	
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-1.86167538		
target TrqLOA Per1 LatAccelValid Cnt Igc.value	1		
	0		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value			
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-1063.83716		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-893.729248		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	335.546814		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.813219309	0.813219309	✓
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.595274091	0.59527415 ± 0.01	~
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-1.99014843	-1.99014843 ± 0.01	_
TrqLOA_TloaCmd_MtrNm_M_f32	-1.99014843	-1.99014843 ± 0.01	·
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.478901744	0.478901744 ± 0.01	
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0.476901744	0.476901744 ± 0.01	_
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	-1.99014843	-1.99014843 ± 0.01	~



Test Step 2.39 (Repeat Count = 1)	Invest Value
Name	Input Value
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA
TrqLOA_LatAccScaleFactor_Uls_M_f32 TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	1 0.100000001
TrqLOA_LatAccelSV g M Str.K Uls f32	0.030999995
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-1.689713
TrqLOA_TloaCmd_MtrNm_M_f32	-6.5
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-1.00279856
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	4.92409658
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	938.560364
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-65.0403366
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	59.2697182
k_TrqLOA_FallingRampRate_UlspS_f32	-589.874451
k_TrqLOA_LatAccConversionFactor_Uls_f32 k_TrqLOA_LimOutput_MtrNm_f32	3.38837457 8.80000019
k_TrqLOA_LiniOutput_MinMin_i32	0.966261983
k_TrqLOA_MinScaleFactor_Uls_f32	1
k_TrqLOA_NomDrvTrq_MtrNm_f32	1.40401399
k_TrqLOA_RisingRampRate_UlspS_f32	927.330444
k_TrqLOA_SteerRatio_Uls_f32	61.7236214
k_TrqLOA_UndersteerGrad_RadpG_f32	0.25
k_TrqLOA_Wheelbase_M_f32	0.5
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	6554
t2_TrqLOA_DiffGainY_UIs_u1p15[0][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3] t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	9830 6554
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	9503
t2_TrqLOA_DiffGainY_UIs_u1p15[1][3]	9830
t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	9830
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3] t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	9830 6554
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	8192
t2_TrqLOA_DiffGainY_UIs_u1p15[4][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	9830
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	9830
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2] t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	9503 9830
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	6554
t2_TrqLOA_DiffGainY_UIs_u1p15[7][1]	8192
t2_TrqLOA_DiffGainY_UIs_u1p15[7][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	9830
t_TrqLOA_DiffGainX_G_u2p14[0]	12288
t_TrqLOA_DiffGainX_G_u2p14[1]	13271
t_TrqLOA_DiffGainX_G_u2p14[2]	14909
t_TrqLOA_DiffGainX_G_u2p14[3]	19661
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	9920
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	10240 10560
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2] t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	10880
t_TrqLOA_nighSpeedTrqBlend_X_Kph_u10p6[3] t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	11200
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	16384
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	19661
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	22938
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	4096
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	4915
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	8192
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	9011





Name	Input Value		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	12288		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	13107		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	16384		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	17203		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	12288		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	20480		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	22528		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	20070		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	25805		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	27443		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	32768		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	30720		
t_TrqLOA_X_Kph_u10p6[0]	18496		
t_TrqLOA_X_Kph_u10p6[1]	18560		
t_TrqLOA_X_Kph_u10p6[2]	18624		
t_TrqLOA_X_Kph_u10p6[3]	18688		
t_TrqLOA_X_Kph_u10p6[4]	18752		
t_TrqLOA_X_Kph_u10p6[5]	18816		
t_TrqLOA_X_Kph_u10p6[6]	18880		
t_TrqLOA_X_Kph_u10p6[7]	18944		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuth	ority_Uls_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSec	Sq_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelValid_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_HwDeg_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSpeedVe	alid_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpeed_I	Cph_f32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	1		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	1.86038625		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-195.59465		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	12.1374235		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	211.537384		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.8699193	0.86991936	•
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.0973231718	0.0973231718 ± 0.01	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	•
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.851862431	0.851862431 ± 0.01	•
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0	0 ± 0.01	

Name	Input Value	
Rte Inst Ap TrqLOA	target Rte Inst Ap TrqLOA	
TrqLOA LatAccScaleFactor Uls M f32	0.91244936	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.150000006	
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0315000005	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-4.95014572	
TrqLOA_TloaCmd_MtrNm_M_f32	-6	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.319885492	
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	4.55739784	
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	959.739197	
<_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-72.0533371	
<_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	26.9691505	
<_TrqLOA_FallingRampRate_UlspS_f32	-541.51355	
<pre><_TrqLOA_LatAccConversionFactor_Uls_f32</pre>	8.52130985	
C_TrqLOA_LimOutput_MtrNm_f32	8.51498795	
<pre><_TrqLOA_MaxScaleFactor_Uls_f32</pre>	0.482157707	
<pre><_TrqLOA_MinScaleFactor_Uls_f32</pre>	1	
C_TrqLOA_NomDrvTrq_MtrNm_f32	8.80000019	
<pre><_TrqLOA_RisingRampRate_UlspS_f32</pre>	377.945801	
C_TrqLOA_SteerRatio_Uls_f32	22.4222202	
c_TrqLOA_UndersteerGrad_RadpG_f32	0.25	
<_TrqLOA_Wheelbase_M_f32	20	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	10158	





Name	Input Value
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	12124
t2_TrqLOA_DiffGainY_UIs_u1p15[0][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	10158
t2_TrqLOA_DiffGainY_UIs_u1p15[1][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	12124 12780
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2] t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	10158
t2 TrqLOA DiffGainY Uls u1p15[3][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	13107
t2_TrqLOA_DiffGainY_UIs_u1p15[4][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	12780
t2_TrqLOA_DiffGainY_UIs_u1p15[5][3]	13107
t2_TrqLOA_DiffGainY_UIs_u1p15[6][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	12780
t2_TrqLOA_DiffGainY_UIs_u1p15[7][3]	13107
t_TrqLOA_DiffGainX_G_u2p14[0]	14090
t_TrqLOA_DiffGainX_G_u2p14[1]	15073
t_TrqLOA_DiffGainX_G_u2p14[2]	17039
t_TrqLOA_DiffGainX_G_u2p14[3]	22938 11520
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0] t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	11840
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	12160
t TrqLOA HighSpeedTrqBlend X Kph u10p6[3]	12480
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	12800
t TrqLOA HighSpeedTrqBlend Y Uls u1p15[0]	9830
t TrqLOA HighSpeedTrqBlend Y Uls u1p15[1]	13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	16384
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	19661
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	22938
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	20480
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	21299
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	24576
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	25395
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	28672
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	29491
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	32768
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	33587
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	13107
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	21709
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	23347
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	20480
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	26624
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	28262
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	33997
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	31539
t_TrqLOA_X_Kph_u10p6[0]	19008
t_TrqLOA_X_Kph_u10p6[1]	19072 19136
t_TrqLOA_X_Kph_u10p6[2]	19200
t_TrqLOA_X_Kph_u10p6[3]	19200 19264
t_TrqLOA_X_Kph_u10p6[4]	1928
t_TrqLOA_X_Kph_u10p6[5] t_TrqLOA_X_Kph_u10p6[6]	19328
t_TrqLOA_X_Kph_u10p6[7]	19456
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_tarkwineerautionty_cis_is2
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_Igc	target_TrqLOA_Per1_LatAccelValid_Cnt_lgc
0	0 - 1





Name	Input Value			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCR	target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPo	target_TrqLOA_Per1_RelHwPos_HwDeg_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOAA	target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOAC	md_MtrNm_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSp	eedValid_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSp	eed_Kph_f32		
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	1			
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-0.739941597			
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	1			
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1	1		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-976.868469			
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-890.712952	-890.712952		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	0			
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	225.409424			
Name	Actual Value	Expected Value	Result	
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.768342674	0.768342674	~	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.0724848881	0.0724848807 ± 0.01	✓	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-0.714185953 -0.71418643 ± 0.01			
TrqLOA_TloaCmd_MtrNm_M_f32	-0.714185953 -0.71418643 ± 0.01			
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.482157707 ± 0.01			
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	✓	
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	-0.714185953	-0.71418643 ± 0.01	✓	

Test Step 2.41 (Repeat Count = 1)		
Name	Input Value	
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA	
TrqLOA_LatAccScaleFactor_Uls_M_f32	1	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.20000003	
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0320000015	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-7.44888926	
TrqLOA_TloaCmd_MtrNm_M_f32	-5.5	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	1.38082528	
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	4.01863813	
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	439.142059	
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-64.187973	
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	75.3866577	
k_TrqLOA_FallingRampRate_UlspS_f32	-304.928375	
k_TrqLOA_LatAccConversionFactor_Uls_f32	0.418666095	
k_TrqLOA_LimOutput_MtrNm_f32	5.07386923	
k_TrqLOA_MaxScaleFactor_Uls_f32	1	
k_TrqLOA_MinScaleFactor_Uls_f32	1	
k_TrqLOA_NomDrvTrq_MtrNm_f32	1.03548336	
k_TrqLOA_RisingRampRate_UlspS_f32	402.346283	
k_TrqLOA_SteerRatio_Uls_f32	51.4531326	
k_TrqLOA_UndersteerGrad_RadpG_f32	0.25	
k_TrqLOA_Wheelbase_M_f32	13.5	
t2 TrqLOA DiffGainY UIs u1p15[0][0]	13763	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	15729	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	17039	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	19661	
t2 TrqLOA DiffGainY Uls u1p15[1][0]	13763	
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	15729	
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	17039	
t2 TrgLOA DiffGainY Uls u1p15[1][3]	19661	
t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	13763	
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	15729	
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	17039	
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	19661	
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	13763	
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	15729	
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	17039	
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	19661	
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	13763	
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	15729	
t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	17039	
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	19661	
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	13763	
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	15729	
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	17039	
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	19661	
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	13763	
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TrqLOA_Per1



Name	Input Value		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	15729		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	17039		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	19661		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	13763		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	15729		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	17039		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	19661		
t_TrqLOA_DiffGainX_G_u2p14[0]	15892 16876		
t_TrqLOA_DiffGainX_G_u2p14[1] t TrqLOA DiffGainX G u2p14[2]	19169		
t_TrqLOA_DiffGainX_G_u2p14[3]	26214		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	13120		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	13440		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	13760		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	14080		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	14400		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	3277		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	6554		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	9830		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	13107		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	16384		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	36864		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	37683		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2] t TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	40960 41779		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	45056		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	45875		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	49152		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	49971		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	13926		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	22938		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	24166		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	20890		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	27443		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	29082		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	35226		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	32358		
t_TrqLOA_X_Kph_u10p6[0]	19520		
t_TrqLOA_X_Kph_u10p6[1]	19584		
t_TrqLOA_X_Kph_u10p6[2]	19648 19712		
t_TrqLOA_X_Kph_u10p6[3] t_TrqLOA_X_Kph_u10p6[4]	19776		
t_TrqLOA_X_Kph_u10p6[5]	19840		
t_TrqLOA_X_Kph_u10p6[6]	19904		
t_TrqLOA_X_Kph_u10p6[7]	19968		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelA	uthority_Uls_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpS	ecSq_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelValid	d_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMt	gtnEn_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_	. –	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_H		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOAAvail	*	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpee target_TrqLOA_Per1_VehicleSpee		
target_Rte_inst_Ap_frqLOA.frqLOA_Perf_verificespeed_kpri_isz target_TrqLOA_Perf_HandwheelAuthority_Uls_f32.value	0.487862706	o_14p11_106	
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-4.19902897		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-1352.72083		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-249.723404		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	74.2620544		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.871624053	0.871624053	•
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.188769668	0.188769668 ± 0.01	•
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-0.0281592235	-0.0281592179 ± 0.01	•
	-0.0281592235	-0.0281592179 ± 0.01	•
TrqLOA_TloaCmd_MtrNm_M_f32	4		
TrqLOA_TrqBasedScaleFactor_Uls_M_f32 target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	1	1 ± 0.01	





Test Step 2.42 (Repeat Count = 1)	✓
Name	Input Value
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.979087591
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.25
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0324999988
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-1.47503364
TrqLOA_TloaCmd_MtrNm_M_f32	-5
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	2
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	4.3639822
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	807.052795
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32 k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	-4.07561636 18.7742119
k_TrqLOA_billiogRampRate_UlspS_f32	-720.750061
k_TrqLOA_LatAccConversionFactor_Uls_f32	7.6068635
k TrqLOA LimOutput MtrNm f32	8.7332983
k_TrqLOA_MaxScaleFactor_Uls_f32	0.0215017796
k_TrqLOA_MinScaleFactor_Uls_f32	0.174004555
k_TrqLOA_NomDrvTrq_MtrNm_f32	0
k_TrqLOA_RisingRampRate_UlspS_f32	132.842804
k_TrqLOA_SteerRatio_Uls_f32	24.7302666
k_TrqLOA_UndersteerGrad_RadpG_f32	0.25
k_TrqLOA_Wheelbase_M_f32	10.1715307
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	19333 21299
t2_TrqLOA_DiffGainY_Uls_u1p15[0][2] t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	21299 26214
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	17367
t2 TrqLOA DiffGainY Uls u1p15[1][1]	19333
t2_TrqLOA_DiffGainY_UIs_u1p15[1][2]	21299
t2_TrqLOA_DiffGainY_UIs_u1p15[1][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	21299
t2_TrqLOA_DiffGainY_UIs_u1p15[3][3]	26214 17367
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0] t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	21299
t2_TrqLOA_DiffGainY_UIs_u1p15[4][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0] t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	17367 19333
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	21299
t2_TrqLOA_DiffGainY_UIs_u1p15[7][3]	26214
t_TrqLOA_DiffGainX_G_u2p14[0]	17695
t_TrqLOA_DiffGainX_G_u2p14[1]	18678
t_TrqLOA_DiffGainX_G_u2p14[2]	21299
t_TrqLOA_DiffGainX_G_u2p14[3]	29491
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	14720
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	15040
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	15360
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	15680 16000
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4] t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	3277
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	6554
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	16384
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	53248
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	54067
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	56115
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	56934

TrqLOA_Per1

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Name	Input Value		
t TrgLOA LatAccGain Y MtrNmpG u4p12[4]	58163		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	60211		
t TrqLOA LatAccGain Y MtrNmpG u4p12[6]	60621		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	61030		
t TrqLOA TempTrqCmdSatYTbl MtrNm u4p12[0]	4096		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	8192		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	14336		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	15974		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	17613		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	19251		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	20480		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	22528		
t_TrqLOA_X_Kph_u10p6[0]	20032		
t_TrqLOA_X_Kph_u10p6[1]	20096		
t_TrqLOA_X_Kph_u10p6[2]	20160		
t_TrqLOA_X_Kph_u10p6[3]	20224		
t_TrqLOA_X_Kph_u10p6[4]	20288		
t_TrqLOA_X_Kph_u10p6[5]	20352		
t_TrqLOA_X_Kph_u10p6[6]	20416		
t_TrqLOA_X_Kph_u10p6[7]	20480		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelA	uthority_Uls_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecSq_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_Igc	target_TrqLOA_Per1_LatAccelValid_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_HwDeg_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc	target_TrqLOA_Per1_TrqLOAAvail	_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd	_MtrNm_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSpee	dValid_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpee	d_Kph_f32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	1		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-3.35405445		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	0		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-318.20462		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-97.0698242		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc.value	0		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	312.297913		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.970936358	0.970936358	~
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.233417615	0.233417615 ± 0.01	~
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-0.2711339	-0.2711339 ± 0.01	~
TrqLOA_TloaCmd_MtrNm_M_f32	-0.2711339	-0.2711339 ± 0.01	~
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.558499813	0.558499873 ± 0.01	~
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	~

Name	Input Value	
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA	
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.094681859	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.30000012	
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0329999998	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	7.25802565	
TrqLOA_TloaCmd_MtrNm_M_f32	-4.5	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.681339085	
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	3.70325565	
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	970.150208	
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-63.1004982	
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	93.1288223	
k_TrqLOA_FallingRampRate_UlspS_f32	-667.898804	
k_TrqLOA_LatAccConversionFactor_Uls_f32	1.29521966	
k_TrqLOA_LimOutput_MtrNm_f32	4.88429594	
k_TrqLOA_MaxScaleFactor_Uls_f32	0.3448807	
k_TrqLOA_MinScaleFactor_Uls_f32	1	
k_TrqLOA_NomDrvTrq_MtrNm_f32	8.80000019	
k_TrqLOA_RisingRampRate_UlspS_f32	716.946899	
k_TrqLOA_SteerRatio_Uls_f32	42.5392456	
k_TrqLOA_UndersteerGrad_RadpG_f32	0.25	
k_TrqLOA_Wheelbase_M_f32	0.908727586	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	655	

-0.2711339

-0.2711339 ± 0.01

target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value





Name	Input Value
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	2458
t2 TrqLOA DiffGainY Uls u1p15[0][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	6226
t2_TrqLOA_DiffGainY_UIs_u1p15[1][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	2458
t2_TrqLOA_DiffGainY_UIs_u1p15[1][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	6226
t2_TrqLOA_DiffGainY_UIs_u1p15[2][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	6226 655
t2_TrqLOA_DiffGainY_UIs_u1p15[4][0]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1] t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	4915
t2_TrqLOA_DiliGainY_Uls_u1p15[4][3]	6226
t2_TrqLOA_DiffGainY_UIs_u1p15[5][0]	655
t2 TrqLOA DiffGainY Uls u1p15[5][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	6226
t2 TrqLOA DiffGainY Uls u1p15[6][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	6226
t2_TrqLOA_DiffGainY_UIs_u1p15[7][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	4915
t2_TrqLOA_DiffGainY_UIs_u1p15[7][3]	6226
t_TrqLOA_DiffGainX_G_u2p14[0]	328
t_TrqLOA_DiffGainX_G_u2p14[1]	1229
t_TrqLOA_DiffGainX_G_u2p14[2]	2458
t_TrqLOA_DiffGainX_G_u2p14[3]	3113
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	16320
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	16640
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	16960
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	17280
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	17600
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	3277 6554
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2] t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	16384
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	4096
t TrqLOA LatAccGain Y MtrNmpG u4p12[1]	4915
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	8192
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	9011
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	12288
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	13107
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	16384
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	17203
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	4915
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	9421
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	15155
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	16384
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	18432
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	20070
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	21709
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	23347
t_TrqLOA_X_Kph_u10p6[0]	20544
t_TrqLOA_X_Kph_u10p6[1]	20608
t_TrqLOA_X_Kph_u10p6[2]	20672
t_TrqLOA_X_Kph_u10p6[3]	20736
t_TrqLOA_X_Kph_u10p6[4]	20800
t_TrqLOA_X_Kph_u10p6[5]	20864
t_TrqLOA_X_Kph_u10p6[6]	20928
t_TrqLOA_X_Kph_u10p6[7]	20992
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32 target_TrqLOA_Per1_LatAcc_MpSecSq_f32
target Rte Inst An Tral OA Tral OA Darf Lather Machack for	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32 target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelValid_Cnt_lgc

 $target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value$





Name	Input Value			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_H	lwDeg_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOAAvail	_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd	_MtrNm_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc	target_TrqLOA_Per1_VehicleSpee	dValid_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpee	d_Kph_f32		
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0.212739348			
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	5.64538431			
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0	0		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1			
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	1608.55676	1608.55676		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-403.709808	-403.709808		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1			
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	340.409088			
Name	Actual Value	Expected Value	Result	
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.190002441	0.190002441	✓	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.268322796	0.268322766 ± 0.01	✓	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0 0 ± 0.01			
TrqLOA_TloaCmd_MtrNm_M_f32	0 0 ± 0.01			
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.3448807	0.3448807 ± 0.01	•	
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	~	

0

0 ± 0.01

Name	Input Value	
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA	
TrqLOA LatAccScaleFactor Uls M f32	0.255101204	
TrqLOA LatAccelSV g M Str.SV Uls f32	0.34999994	
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0335000008	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	2.23246837	
TrqLOA TloaCmd MtrNm M f32	-4	
TrqLOA TrqBasedScaleFactor Uls M f32	2	
<pre><_TrqLOA_AbsAssistThreshold_MtrNm_f32</pre>	3.87201977	
TrgLOA AbsVelThreshold MtrRadpS f32	621.806824	
TrgLOA DiffScaleRateLimiterFalling UlspS f32	-54.2749367	
<pre><_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32</pre>	49.2006645	
k_TrqLOA_FallingRampRate_UlspS_f32	-308.173584	
k TrgLOA_r allingreampreace_oispo_is2	6.49005699	
k TrqLOA_Lanceconiversion actor_ois_i52	4,23094845	
k_TrqLOA_EIIIIOutput_MtrNiii_i32	1	
<pre><_frqLOA_MinScaleFactor_Uls_f32</pre>	0.978592157	
k TrgLOA NomDrvTrg MtrNm f32	7.5	
k TrgLOA RisingRampRate UlspS f32	75.7910156	
<pre><_rrqLOA_SteerRatio_Uls_f32</pre>	19.941164	
TrqLOA_Gleentallo_Gis_lo2 TrqLOA UndersteerGrad RadpG f32	0.25	
TrqLOA Wheelbase M f32	17.449913	
12 TrqLOA_VIIIccibasc_M_IS2 12 TrqLOA DiffGainY Uls u1p15[0][0]	6554	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	8192	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	9503	
2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	9830	
2 TrqLOA_DiffGainY_UIs_u1p15[0][0]	6554	
2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	8192	
2 TrqLOA_DiffGainY_UIs_u1p15[1][2]	9503	
2 TrqLOA_DiffGainY_Uls_u1p15[1][2]	9830	
2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	6554	
2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	8192	
	9503	
2_TrqLOA_DiffGainY_Uls_u1p15[2][2] 2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	9830	
2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	6554	
	8192	
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	9503	
2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	9830	
2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	6554	
2_TrqLOA_DiffGainY_Uls_u1p15[4][0]		
2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	8192	
2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	9503	
2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	9830	
2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	6554	
2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	8192	
I2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	9503	
I2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	9830	
2_TrqLOA_DiffGainY_Uls_u1p15[6][0] © Report created by TESSY V3.2.5, report template V2.4	6554	

 $\ensuremath{\texttt{@}}$ Report created by TESSY V3.2.5, report template V2.4

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Name	Input Value		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	8192		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	9503		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	9830		
t2_TrqLOA_DiffGainY_UIs_u1p15[7][0]	6554		
t2_TrqLOA_DiffGainY_UIs_u1p15[7][1]	8192		
t2_TrqLOA_DiffGainY_UIs_u1p15[7][2]	9503		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	9830		
t_TrqLOA_DiffGainX_G_u2p14[0]	3277		
t_TrqLOA_DiffGainX_G_u2p14[1]	4096		
t_TrqLOA_DiffGainX_G_u2p14[2]	4751		
t_TrqLOA_DiffGainX_G_u2p14[3]	4915		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	17920		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	18240		
t TrqLOA HighSpeedTrqBlend X Kph u10p6[2]	18560		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	18880		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	19200		
	3277		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]			
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	6554		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	9830		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	13107		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	16384		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	20480		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	21299		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	24576		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	25395		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	28672		
	29491		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]			
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	32768		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	33587		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	5734		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	10650		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	15974		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	16794		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	19251		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	20890		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	22938		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	24166		
	21056		
t_TrqLOA_X_Kph_u10p6[0]			
t_TrqLOA_X_Kph_u10p6[1]	21120		
t_TrqLOA_X_Kph_u10p6[2]	21184		
t_TrqLOA_X_Kph_u10p6[3]	21248		
t_TrqLOA_X_Kph_u10p6[4]	21312		
t_TrqLOA_X_Kph_u10p6[5]	21376		
t_TrqLOA_X_Kph_u10p6[6]	21440		
t_TrqLOA_X_Kph_u10p6[7]	21504		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelA	uthority Uls f32	
target Rte Inst Ap TrqLOA.TrqLOA Per1 LatAcc MpSecSq f32	target_TrqLOA_Per1_LatAcc_MpS		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_Igc	target TrqLOA Per1 LatAccelValio		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_Igc	target_TrqLOA_Per1_MotAgLoaMt		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_N		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_H	. –	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOAAvail		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSpeed		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpeed	d_Kph_f32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	1		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-4.76852036		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-1508.21985		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	937.685364		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	301.419312		
		Exposted Value	D
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.299987793	0.299987793	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.438464224	0.438464224 ± 0.01	~
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0.209976807	0.209976807 ± 0.01	~
TrqLOA_TloaCmd_MtrNm_M_f32	0.209976807	0.209976807 ± 0.01	✓
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	1.38365281	1.38365281 ± 0.01	✓
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	✓

0.209976807

target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value

0.209976807 ± 0.01





Test Step 2.45 (Repeat Count = 1)	I. AVA
Name	Input Value
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.627236724
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.40000006
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0340000018
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	3.77577853
TrqLOA_TloaCmd_MtrNm_M_f32	-3.5 2
TrqLOA_TrqBasedScaleFactor_Uls_M_f32 k_TrqLOA_AbsAssistThreshold_MtrNm_f32	0
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	430.677612
k_TrqLOA_AusverTheshold_wittRadpS_f32	-62.066864
k TrqLOA DiffScaleRateLimiterRising UlspS f32	66.5156021
k TrqLOA FallingRampRate UlspS f32	-752.498779
k_TrqLOA_LatAccConversionFactor_Uls_f32	1.46957707
k_TrqLOA_LimOutput_MtrNm_f32	5.42955256
k_TrqLOA_MaxScaleFactor_Uls_f32	1
k_TrqLOA_MinScaleFactor_Uls_f32	0.877906442
k_TrqLOA_NomDrvTrq_MtrNm_f32	1.68681836
k_TrqLOA_RisingRampRate_UlspS_f32	354.976929
k_TrqLOA_SteerRatio_Uls_f32	63.9988365
k_TrqLOA_UndersteerGrad_RadpG_f32	0.223930106
k_TrqLOA_Wheelbase_M_f32	5.41177559
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	12124
t2_TrqLOA_DiffGainY_UIs_u1p15[0][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	10158 12124
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[4][2] t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	12780
t2 TrgLOA DiffGainY Uls u1p15[7][3]	13107
t_TrqLOA_DiffGainX_G_u2p14[0]	5079
t_TrqLOA_DiffGainX_G_u2p14[1]	6062
t_TrqLOA_DiffGainX_G_u2p14[2]	6390
t_TrqLOA_DiffGainX_G_u2p14[3]	6554
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	19520
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	19840
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	20160
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	20480
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	20800
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	3277
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	6554
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	16384
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	36864
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	37683
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	40960
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	41779





Name	Input Value			
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	45056			
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	45875			
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	49152			
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	49971			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	6554			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	11878			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	16794			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	17203			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	20070			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	21709			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	24166			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	24986			
t_TrqLOA_X_Kph_u10p6[0]	21568			
t_TrqLOA_X_Kph_u10p6[1]	21632			
t_TrqLOA_X_Kph_u10p6[2]	21696			
t_TrqLOA_X_Kph_u10p6[3]	21760			
t_TrqLOA_X_Kph_u10p6[4]	21824			
t_TrqLOA_X_Kph_u10p6[5]	21888			
t_TrqLOA_X_Kph_u10p6[6]	21952			
t_TrqLOA_X_Kph_u10p6[7]	22016			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelA	uthority_Uls_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecSq_f32			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_Igc	target_TrqLOA_Per1_LatAccelValid_Cnt_lgc			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_HwDeg_f32			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc	target_TrqLOA_Per1_VehicleSpee	dValid_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpee	d_Kph_f32		
target_TrqLOA_Per1_HandwheelAuthority_UIs_f32.value	1			
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-8.84254169			
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	1			
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	0			
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-1398.72522			
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-974.238525			
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	0			
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	122.357391			
Name	Actual Value	Expected Value	Result	
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.503103018	0.503103018	•	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.352928221	0.352928221 ± 0.01	•	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-0.0706770122	-0.0706770048 ± 0.01	•	
TrqLOA_TloaCmd_MtrNm_M_f32	-0.0706770122	-0.0706770048 ± 0.01	•	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.877906442	0.877906442 ± 0.01	•	
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	•	
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	-0.0706770122	-0.0706770048 ± 0.01		

Name	Input Value	
Rte Inst Ap TrqLOA	target Rte Inst Ap TrqLOA	
TrqLOA LatAccScaleFactor Uls M f32	0.8256495	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.449999988	
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0344999991	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	1.3834337	
TrqLOA_TloaCmd_MtrNm_M_f32	-3	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-0.203701377	
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	10	
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	145.48053	
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-50.5578461	
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	99.1669159	
<_TrqLOA_FallingRampRate_UlspS_f32	-886.137207	
<pre><_TrqLOA_LatAccConversionFactor_Uls_f32</pre>	0.507670462	
<_TrqLOA_LimOutput_MtrNm_f32	8.40555477	
<pre><_TrqLOA_MaxScaleFactor_Uls_f32</pre>	1	
C_TrqLOA_MinScaleFactor_Uls_f32	0.0602126122	
C_TrqLOA_NomDrvTrq_MtrNm_f32	5.57137871	
<pre><_TrqLOA_RisingRampRate_UlspS_f32</pre>	383.702087	
C_TrqLOA_SteerRatio_Uls_f32	96.7855377	
c_TrqLOA_UndersteerGrad_RadpG_f32	0.25	
c_TrqLOA_Wheelbase_M_f32	19.7386818	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	13763	





Name	Input Value
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	15729 17039
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2] t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	15729
t2_TrqLOA_DiffGainY_UIs_u1p15[4][2] t2_TrqLOA_DiffGainY_UIs_u1p15[4][3]	17039 19661
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	13763
t2 TrqLOA DiffGainY Uls u1p15[5][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	17039
t2_TrqLOA_DiffGainY_UIs_u1p15[6][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	19661
t_TrqLOA_DiffGainX_G_u2p14[0] t_TrqLOA_DiffGainX_G_u2p14[1]	6881 7864
t_TrqLOA_DiffGainX_G_u2p14[1]	8520
t_TrqLOA_DiffGainX_G_u2p14[3]	9830
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	21120
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	21440
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	21760
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	22080
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	22400
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	3277
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	6554
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4] t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	16384 53248
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	54067
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	56115
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	56934
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	58163
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	60211
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	60621
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	61030
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	7373
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	13107
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	17613
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	17613
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	20890 22528
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5] t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	22528 25395
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	25805
t_TrqLOA_X_Kph_u10p6[0]	22080
t_TrqLOA_X_Kph_u10p6[1]	22144
t_TrqLOA_X_Kph_u10p6[2]	22208
t_TrqLOA_X_Kph_u10p6[3]	22272
t_TrqLOA_X_Kph_u10p6[4]	22336
t_TrqLOA_X_Kph_u10p6[5]	22400
t_TrqLOA_X_Kph_u10p6[6]	22464
t_TrqLOA_X_Kph_u10p6[7]	22528
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32
target_Rte_inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32 target_Rte_inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_igc	target_TrqLOA_Per1_LatAcc_MpSecSq_f32 target_TrqLOA_Per1_LatAccelValid_Cnt_lgc

target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value





Name	Input Value			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos	_HwDeg_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc	target_TrqLOA_Per1_TrqLOAAv	ail_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACn	nd_MtrNm_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc	target_TrqLOA_Per1_VehicleSpe	eedValid_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpe	eed_Kph_f32		
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0.0314078331	0.0314078331		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	3.01422715			
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	1			
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	0			
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	1739.23352			
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	300.68573			
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1			
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	491.636902			
Name	Actual Value	Expected Value	Result	
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.724533796	0.724533796	~	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.441659391	0.441659391 ± 0.01	✓	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0 0 ± 0.01			
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	✓	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.0602126122	0.0602126122 ± 0.01	✓	
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	✓	

0

0 ± 0.01

Name	Input Value	
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA	
rgLOA LatAccScaleFactor Uls M f32	0.660953164	
rqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.5	
rgLOA LatAccelSV g M Str.K Uls f32	0.0350000001	
rgLOA ScaledMtrTrgCmd MtrNm M f32	5.33521175	
rqLOA_TloaCmd_MtrNm_M_f32	-2.5	
rqLOA_TrqBasedScaleFactor_Uls_M_f32	-0.281446397	
f32	4.5	
	261.013611	
TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-81.0471191	
TrqLOA DiffScaleRateLimiterRising UlspS f32	18.8620987	
TrqLOA FallingRampRate UlspS f32	-402.1922	
TrqLOA LatAccConversionFactor Uls f32	4.45717812	
TrqLOA_LimOutput_MtrNm_f32	6.09960651	
_TrqLOA_MaxScaleFactor_Uls_f32	0.218074918	
	1	
rrqLOA_NomDrvTrq_MtrNm_f32	4.11426783	
rrqL0A_RisingRampRate_UlspS_f32	889.365356	
	22.2962933	
: TrqLOA UndersteerGrad RadpG f32	0.25	
TrqLOA Wheelbase M f32	15.2142324	
2 TrgLOA DiffGainY Uls u1p15[0][0]	17367	
2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	19333	
2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	21299	
2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	26214	
2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	17367	
2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	19333	
2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	21299	
2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	26214	
2_rrqLOA_biirGairY_bis_u1p15[7][0] 2_rrqLOA_bifGairY_bis_u1p15[2][0]	17367	
2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	19333	
2_TrqLOA_DiffGainY_Uis_u1p15[2][1] 2_TrqLOA_DiffGainY_Uis_u1p15[2][2]	21299	
2_TrqLOA_DiffGainY_Uls_u1p15[2][2] 2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	26214	
	17367	
2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	19333	
2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	21299	
2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	26214	
2_TrqLOA_DiffGainY_Uls_u1p15[3][3] 2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	17367	
2_rrqLOA_biiiGaiirY_bis_u1p15[4][b] 2_rrqLOA_biffGainY_bis_u1p15[4][1]	19333	
	21299	
2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	26214	
2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	26214 17367	
2_TrqLOA_DiffGainY_Uls_u1p15[5][0]		
2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	19333 21299	
2_TrqLOA_DiffGainY_Uls_u1p15[5][2]		
2_TrqLOA_DiffGainY_Uls_u1p15[5][3] 2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	26214 17367	

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Name	Input Value		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	19333		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	21299		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	26214		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	17367		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	19333		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	21299		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	26214		
t_TrqLOA_DiffGainX_G_u2p14[0]	8684		
t_TrqLOA_DiffGainX_G_u2p14[1]	9667		
t_TrqLOA_DiffGainX_G_u2p14[2]	10650		
t_TrqLOA_DiffGainX_G_u2p14[3]	13107		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	22720		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	23040		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	23360		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	23680		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	24000		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	3277		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	6554		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	9830		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	13107		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	16384		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	4096 4915		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	8192		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2] t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	9011		
	12288		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4] t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	13107		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	16384		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	17203		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	8192		
t TrqLOA TempTrqCmdSatYTbl MtrNm u4p12[1]	14336		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	18432		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	18022		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	21709		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	23347		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	26624		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	26624		
t_TrqLOA_X_Kph_u10p6[0]	22592		
t TrqLOA X Kph u10p6[1]	22656		
t_TrqLOA_X_Kph_u10p6[2]	22720		
t_TrqLOA_X_Kph_u10p6[3]	22784		
t_TrqLOA_X_Kph_u10p6[4]	22848		
t_TrqLOA_X_Kph_u10p6[5]	22912		
t_TrqLOA_X_Kph_u10p6[6]	22976		
t_TrqLOA_X_Kph_u10p6[7]	23040		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_Handwheel.	Authority_Uls_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_Mp	SecSq_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelVa	lid_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaM	ltgtnEn_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF	_MtrRadpS_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_	HwDeg_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc	target_TrqLOA_Per1_TrqLOAAva	il_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACm	d_MtrNm_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc	target_TrqLOA_Per1_VehicleSpe		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpe	ed_Kph_f32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	1		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-6.52269268		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	0		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-1319.78271		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	228.642914		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	495.51712		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.698677361	0.698677361	~
TrqLOA_LatAccelSV_g_M_Str.SV_UIs_f32	0.506791711	0.506791711 ± 0.01	Y
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	V
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	V
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	1	1 ± 0.01	~
target_TrqLOA_Per1_TrqLOAAvail_Cnt_Igc.value	1	1	
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0	0 ± 0.01	



Test Step 2.48 (Repeat Count = 1)	
Name	Input Value
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.738416195
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.550000012
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0355000012
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-8.80000019
TrqLOA_TloaCmd_MtrNm_M_f32	-2
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	1.85944247 8.13665009
k_TrqLOA_AbsAssistThreshold_MtrNm_f32 k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	70.0263748
k TrgLOA_AbsverTilleshold_Mitrkaup5_132	-8.00514412
k TrqLOA DiffScaleRateLimiterRising UlspS f32	99.516716
k_TrqLOA_FallingRampRate_UlspS_f32	-163.67894
k_TrqLOA_LatAccConversionFactor_Uls_f32	10
k_TrqLOA_LimOutput_MtrNm_f32	2.33877659
k_TrqLOA_MaxScaleFactor_Uls_f32	1
k_TrqLOA_MinScaleFactor_Uls_f32	1
k_TrqLOA_NomDrvTrq_MtrNm_f32	1.78339124
k_TrqLOA_RisingRampRate_UlspS_f32	36.7966118
k_TrqLOA_SteerRatio_Uls_f32	17.9014683
k_TrqLOA_UndersteerGrad_RadpG_f32	0.25
k_TrqLOA_Wheelbase_M_f32	14.6375256
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3] t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	6226 655
t2_frqLOA_biilGaiirt_bis_u1p15[5][0] t2_frqLOA_biffGainY_Uls_u1p15[5][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	4915
t2_rrqLOA_biffGainY_bis_urpris[5][2] t2_rrqLOA_biffGainY_bis_urpris[5][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	655
t2_TrqLOA_DiliGainY_Uls_u1p15[6][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	6226
t2_TrqLOA_DiffGainY_UIs_u1p15[7][0]	655
t2_TrqLOA_DiffGainY_UIs_u1p15[7][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	6226
t TrgLOA DiffGainX G u2p14[0]	10486
t TrgLOA DiffGainX G u2p14[1]	11469
t_TrqLOA_DiffGainX_G_u2p14[2]	12780
t_TrqLOA_DiffGainX_G_u2p14[3]	16384
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	320
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	640
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	960
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	1280
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	1600
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	3277
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	6554
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	16384
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	20480
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	21299
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	24576
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	25395





Name	Input Value		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	28672		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	29491		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	32768		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	33587		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	9011		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	15565		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	19251		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	18432		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	22528		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	24166		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	27853		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	27443		
t_TrqLOA_X_Kph_u10p6[0]	23104		
t_TrqLOA_X_Kph_u10p6[1]	23168		
t_TrqLOA_X_Kph_u10p6[2]	23232		
t_TrqLOA_X_Kph_u10p6[3]	23296		
t_TrqLOA_X_Kph_u10p6[4]	23360		
t_TrqLOA_X_Kph_u10p6[5]	23424		
t_TrqLOA_X_Kph_u10p6[6]	23488		
t_TrqLOA_X_Kph_u10p6[7]	23552		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecSq_	f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelValid_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMtgtnEn_	_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_HwDeg_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOAAvail_Cnt_I	gc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_MtrNr	m_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSpeedValid_	_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpeed_Kph	_f32	
target_TrqLOA_Per1_HandwheelAuthority_UIs_f32.value	0.200104475		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-4.82459116		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	0		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-1454.8761		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	67.0191269		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	444.720215		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.72240591	0.72240591	•
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.539416969	0.539416969 ± 0.01	•
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0.101881564	0.101881497 ± 0.01	•
TrqLOA_TloaCmd_MtrNm_M_f32	0.101881564	0.101881497 ± 0.01	•
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	1.53208458	1.53208458 ± 0.01	•
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	•
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0.101881564 0.101881497 ± 0.01		

Name	Input Value	
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA	
TrqLOA_LatAccScaleFactor_Uls_M_f32	1	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.60000024	
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0359999985	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	8.80000019	
TrqLOA_TloaCmd_MtrNm_M_f32	-1.5	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-1.84868562	
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	1.36437917	
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	363.839569	
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-51.9160385	
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	54.2698441	
k_TrqLOA_FallingRampRate_UlspS_f32	-757.576233	
k_TrqLOA_LatAccConversionFactor_Uls_f32	5.96104193	
k_TrqLOA_LimOutput_MtrNm_f32	8.29478836	
k_TrqLOA_MaxScaleFactor_Uls_f32	0.954571128	
k_TrqLOA_MinScaleFactor_Uls_f32	0.385347486	
k_TrqLOA_NomDrvTrq_MtrNm_f32	6.22014856	
k_TrqLOA_RisingRampRate_UlspS_f32	288.427185	
k_TrqLOA_SteerRatio_Uls_f32	83.423584	
k_TrqLOA_UndersteerGrad_RadpG_f32	0.25	
k_TrqLOA_Wheelbase_M_f32	1.1615597	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	6554	





Name	Input Value
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	8192
t2 TrqLOA DiffGainY Uls u1p15[0][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	9830
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	6554
t2_TrqLOA_DiffGainY_UIs_u1p15[1][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	9830
t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	9503
t2_TrqLOA_DiffGainY_UIs_u1p15[2][3]	9830
t2_TrqLOA_DiffGainY_UIs_u1p15[3][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	8192
t2_TrqLOA_DiffGainY_UIs_u1p15[3][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	9830
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	9830
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	9830
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	9830
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	9830
t_TrqLOA_DiffGainX_G_u2p14[0]	12288
t_TrqLOA_DiffGainX_G_u2p14[1]	13271
t_TrqLOA_DiffGainX_G_u2p14[2]	14909
t_TrqLOA_DiffGainX_G_u2p14[3]	19661
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	1920
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	2240
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	2560
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	2880
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	3200
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	3277
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	6554
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	16384
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	36864
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	37683
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	40960
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	41779 45056
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4] t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	45875
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6] t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	49152 49971
t_IrqLOA_tatAccGain_Y_mtrNmpG_u4p12[7] t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	9830
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1] t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	16794 20070
t_rqLOA_rempTrqCmdSatYTbl_MtrNm_u4p12[2] t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	18842
t_rrqLOA_rempTrqCmdSatYTbl_MtrNm_u4p12[3] t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	23347
t_rqLOA_rempTrqCmdSatYTbl_MtrNm_u4p12[4] t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	24986
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	29082
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	28262
t_TrqLOA_YenipTrqCindSat115i_witrNiii_u4p12[7]	23616
t_TrqLOA_X_Kph_u10p6[1]	23680
t_TrqLOA_X_Kph_u10p6[2]	23744
t_TrqLOA_X_Kph_u10p6[3]	23808
t_TrqLOA_X_Kph_u10p6[4]	23872
t_TrqLOA_X_Kph_u10p6[5]	23936
t_TrqLOA_X_Kph_u10p6[6]	24000
t_TrqLOA_X_Kph_u10p6[7]	24064
target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32
	target TrgLOA Per1 LatAcc MpSecSg f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32 target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAcc_MpSecSq_f32 target_TrqLOA_Per1_LatAccelValid_Cnt_lgc



TrqLOA_Per1

Name	Input Value		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_	HwDeg_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOAAva	il_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmo	d_MtrNm_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc	target_TrqLOA_Per1_VehicleSpee	edValid_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpee	ed_Kph_f32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0.20604527		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	1.25657976		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	1630.51721		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-941.165222		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	42.5796814		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.896167934	0.896167934	~
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.557012975	0.557012916 ± 0.01	✓
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	✓
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	✓
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-1.27183127	-1.27183115 ± 0.01	✓
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	~
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0	0 ± 0.01	✓

Name	Input Value	
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA	
FrgLOA LatAccScaleFactor Uls M f32	1	
TrgLOA_LatAccelSV g M Str.SV Uls f32	0.649999976	
FrgLOA_LatAccelSV g M Str.K Uls f32	0.0364999995	
FrgLOA_Lawcceisv_g_w_str.N_ois_is2	2.5	
TrqLOA_StateUMITTqCIIIQ_MttNIII_M_I32 TrqLOA_TloaCmd_MtrNm_M_f32	-1	
TrqLOA_TrgBasedScaleFactor_Uls_M_f32	0.81958282	
<pre>c_TrqLOA_AbsAssistThreshold_MtrNm_f32</pre>	4.57627153	
<pre><_frqLOA_AbsVelThreshold_MtrRadpS_f32</pre>	757.782959	
<pre><_frqLOA_Absverrineshoid_witrRadpS_132</pre> <pre><_frqLOA_DiffScaleRateLimiterFalling_UlspS_f32</pre>	-98.6409302	
TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	48.0470161	
TrqLOA_DillocaleRateLilliterRising_DispS_132 TrqLOA_FallingRampRate_UlspS_f32	-904.874451	
_ , _ , _ , _	5.27001953	
<pre><_TrqLOA_LimOutput_MtrNm_f32</pre>	0.89368403	
	·	
C_TrqLOA_MinScaleFactor_Uls_f32	0.102830887	
C_TrqLOA_NomDrvTrq_MtrNm_f32	8.80000019	
C_TrqLOA_RisingRampRate_UlspS_f32	383.200195	
C_TrqLOA_SteerRatio_UIs_f32	23.5942974	
c_TrqLOA_UndersteerGrad_RadpG_f32	0.25	
<pre>c_TrqLOA_Wheelbase_M_f32</pre>	14.1764631	
2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	10158	
2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	12124	
2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	12780	
2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	13107	
2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	10158	
2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	12124	
2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	12780	
2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	13107	
2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	10158	
2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	12124	
2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	12780	
2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	13107	
2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	10158	
2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	12124	
2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	12780	
2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	13107	
2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	10158	
2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	12124	
2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	12780	
2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	13107	
2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	10158	
2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	12124	
2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	12780	
2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	13107	
2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	10158	

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TrqLOA_Per1



Name	Input Value		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	12124		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	12780		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	13107		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	10158		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	12124		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	12780		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	13107		
t_TrqLOA_DiffGainX_G_u2p14[0]	14090		
t_TrqLOA_DiffGainX_G_u2p14[1]	15073		
t_TrqLOA_DiffGainX_G_u2p14[2] t_TrqLOA_DiffGainX_G_u2p14[3]	17039 22938		
t TrqLOA HighSpeedTrqBlend X Kph u10p6[0]	3520		
t TrqLOA HighSpeedTrqBlend X Kph u10p6[1]	3840		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	4160		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	4480		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	4800		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	3277		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	6554		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	9830		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	13107		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	16384		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	53248		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	54067		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	56115		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	56934		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	58163		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	60211		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	60621		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	61030		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	10650		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	18022		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	20890		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	19251		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	24166 25805		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5] t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	30310		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	29082		
t_TrqLOA_X_Kph_u10p6[0]	24128		
t_TrqLOA_X_Kph_u10p6[1]	24192		
t_TrqLOA_X_Kph_u10p6[2]	24256		
t TrgLOA X Kph u10p6[3]	24320		
t_TrqLOA_X_Kph_u10p6[4]	24384		
t_TrqLOA_X_Kph_u10p6[5]	24448		
t_TrqLOA_X_Kph_u10p6[6]	24512		
t_TrqLOA_X_Kph_u10p6[7]	24576		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelA	Authority_Uls_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpS	SecSq_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_Igc	target_TrqLOA_Per1_LatAccelVali	id_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMt	~	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_	_MtrRadpS_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_h		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOAAvail		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSpee		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpee	ea_Kph_t32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	1		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value target TrqLOA Per1_LatAccelValid Cnt lgc.value	-9.82586098 0		
	0		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	87.9351654		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	87.9351654 434.492554		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	320.595032		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.802718163	0.802718163	rtoouit
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.670124829	0.670124829 ± 0.01	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0.107311517	0.10731151 ± 0.01	
		0.10731151 ± 0.01	
TrqLOA_TloaCmd_MtrNm_M_f32	0.107311517	0.10/31131 ± 0.01	•
TrqLOA_TloaCmd_MtrNm_M_f32 TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.107311517 0.102830887	0.102830887 ± 0.01	•





Test Step 2.51 (Repeat Count = 1)	· ·
Name	Input Value
Rte_Inst_Ap_TrqLOA	target Rte Inst Ap TrqLOA
TrqLOA_LatAccScaleFactor_Uls_M_f32	1
TrgLOA LatAccelSV g M Str.SV Uls f32	0.10000001
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0370000005
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0
TrqLOA_TloaCmd_MtrNm_M_f32	-0.5
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-0.87937516
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	9.81785297
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	441.991272
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-60.6560135
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	57.0433273 -994.822144
k_TrqLOA_FallingRampRate_UlspS_f32 k_TrqLOA_LatAccConversionFactor_Uls_f32	3.58490086
k TrqLOA LimOutput MtrNm f32	8.23370457
k_TrqLOA_MaxScaleFactor_Uls_f32	0.558134675
k_TrqLOA_MinScaleFactor_UIs_f32	1
k_TrqLOA_NomDrvTrq_MtrNm_f32	8.80000019
k_TrqLOA_RisingRampRate_UlspS_f32	740.574463
k_TrqLOA_SteerRatio_Uls_f32	11.6209812
k_TrqLOA_UndersteerGrad_RadpG_f32	0.25
k_TrqLOA_Wheelbase_M_f32	9.96448612
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	13763
t2_TrqLOA_DiffGainY_UIs_u1p15[0][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	13763 15729
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1] t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1] t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	15729 17039
t2 TrgLOA DiffGainY Uls u1p15[4][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	19661
t2_TrqLOA_DiffGainY_UIs_u1p15[6][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	15729
t2_TrqLOA_DiffGainY_UIs_u1p15[6][2]	17039
t2_TrqLOA_DiffGainY_UIs_u1p15[6][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	13763 15729
t2_TrqLOA_DiffGainY_UIs_u1p15[7][1] t2_TrqLOA_DiffGainY_UIs_u1p15[7][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	19661
t_TrqLOA_DiffGainX_G_u2p14[0]	15892
t_TrqLOA_DiffGainX_G_u2p14[1]	16876
t_TrqLOA_DiffGainX_G_u2p14[2]	19169
t_TrqLOA_DiffGainX_G_u2p14[3]	26214
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	5120
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	5440
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	5760
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	6080
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	6400
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0] t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	3277 6554
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1] t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	16384
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	4096
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	4915
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	8192
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	9011





Name	Input Value		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	12288		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	13107		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	16384		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	17203		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	11469		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	19251		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	21709		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	19661		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	24986		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	26624		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	31539		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	29901		
t_TrqLOA_X_Kph_u10p6[0]	24640		
t_TrqLOA_X_Kph_u10p6[1]	24704		
t_TrqLOA_X_Kph_u10p6[2]	24768		
t_TrqLOA_X_Kph_u10p6[3]	24832		
t_TrqLOA_X_Kph_u10p6[4]	24896		
t_TrqLOA_X_Kph_u10p6[5]	24960		
t_TrqLOA_X_Kph_u10p6[6]	25024		
t_TrqLOA_X_Kph_u10p6[7]	25088		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_Handwhee	elAuthority_Uls_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_M	pSecSq_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_Igc	target_TrqLOA_Per1_LatAccelValid_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRI	MtrRadpS_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos	_HwDeg_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOAAv	rail_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACr	nd_MtrNm_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSp	eedValid_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSp	eed_Kph_f32	
target_TrqLOA_Per1_HandwheelAuthority_UIs_f32.value	0.568960547		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	5.87574673		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	0		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-1670.92468		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-371.607391		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	319.767731		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.878687978	0.878687978	•
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.0175995529	0.0175995585 ± 0.01	•
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	•
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	•
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.601773798	0.601773739 ± 0.01	•
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	•
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0	0 ± 0.01	

Name	Input Value	
Rte Inst Ap TrqLOA	target Rte Inst Ap TrqLOA	
TrqLOA LatAccScaleFactor Uls M f32	1	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.150000006	
FrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0375000015	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-4.5	
TrqLOA_TloaCmd_MtrNm_M_f32	0	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	2	
<pre><_TrqLOA_AbsAssistThreshold_MtrNm_f32</pre>	3.77383447	
<pre><_TrqLOA_AbsVelThreshold_MtrRadpS_f32</pre>	730.688354	
_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-76.3539963	
<_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	52.7584305	
_TrqLOA_FallingRampRate_UlspS_f32	-193.01442	
C_TrqLOA_LatAccConversionFactor_Uls_f32	8.3335619	
C_TrqLOA_LimOutput_MtrNm_f32	0.79102397	
c_TrqLOA_MaxScaleFactor_Uls_f32	0.12011385	
_TrqLOA_MinScaleFactor_Uls_f32	1	
c_TrqLOA_NomDrvTrq_MtrNm_f32	4.56076574	
_TrqLOA_RisingRampRate_UlspS_f32	183.309341	
_TrqLOA_SteerRatio_Uls_f32	65.6744766	
_TrqLOA_UndersteerGrad_RadpG_f32	0.25	
_TrqLOA_Wheelbase_M_f32	19.3209667	
2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	17367	





Name	Input Value
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	19333
t2_TrqLOA_DiffGainY_UIs_u1p15[0][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	19333 21299
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2] t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	19333
t2_TrqLOA_DiffGainY_UIs_u1p15[2][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	21299 26214
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3] t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	21299
t2_TrqLOA_DiffGainY_UIs_u1p15[7][3]	26214
t_TrqLOA_DiffGainX_G_u2p14[0]	17695 18678
t_TrqLOA_DiffGainX_G_u2p14[1] t_TrqLOA_DiffGainX_G_u2p14[2]	21299
t_TrqLOA_DiffGainX_G_u2p14[3]	29491
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	6720
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	7040
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	7360
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	7680
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	8000
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	3277
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	6554
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	16384
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0] t TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	20480 21299
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	24576
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	25395
t TrqLOA LatAccGain Y MtrNmpG u4p12[4]	28672
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	29491
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	32768
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	33587
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	12288
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	20480
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	22528
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	20070
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	25805
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	27443
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6] t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	32768 30720
t_TrqLOA_X_Kph_u10p6[0]	64
t_TrqLOA_X_Kph_u10p6[1]	128
t_TrqLOA_X_Kph_u10p6[2]	192
t_TrqLOA_X_Kph_u10p6[3]	256
t_TrqLOA_X_Kph_u10p6[4]	320
t_TrqLOA_X_Kph_u10p6[5]	384
t_TrqLOA_X_Kph_u10p6[6]	448
t_TrqLOA_X_Kph_u10p6[7]	512
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecSq_f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_Igc	target_TrqLOA_Per1_LatAccelValid_Cnt_Igc
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc





Name	Input Value			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPo	target_TrqLOA_Per1_RelHwPos_HwDeg_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc	target_TrqLOA_Per1_TrqLOAA	vail_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOAC	md_MtrNm_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSp	peedValid_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSp	peed_Kph_f32		
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0.0912983418			
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-0.404431581	-0.404431581		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0			
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1			
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	509.9104			
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	963.509521			
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	0			
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	94.5933838			
Name	Actual Value	Expected Value	Result	
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.847292006	0.847292006	~	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.162682906	0.162682906 ± 0.01	✓	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	✓	
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	•	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	1.61397111	1.61397111 ± 0.01	~	
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	~	
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0	0 ± 0.01	✓	

lame	Input Value	
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA	
rgLOA LatAccScaleFactor Uls M f32	1	
rqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.200000003	
rgLOA LatAccelSV g M Str.K Uls f32	0.037999988	
rgLOA ScaledMtrTrgCmd MtrNm M f32	-4.0950346	
rqLOA_TloaCmd_MtrNm_M_f32	0.5	
rqLOA_TrqBasedScaleFactor_Uls_M_f32	1.01458454	
_TrqLOA_AbsAssistThreshold_MtrNm_f32	5.92621326	
_TrqLOA_AbsVelThreshold_MtrRadpS_f32	0	
_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-2.09286475	
TrqLOA DiffScaleRateLimiterRising UlspS f32	16.4385033	
TrqLOA FallingRampRate UlspS f32	-2.64375544	
TrqLOA LatAccConversionFactor Uls f32	7.95141554	
_TrqLOA_LimOutput_MtrNm_f32	0.824423671	
_TrqLOA_MaxScaleFactor_Uls_f32	0.766085505	
_TrqLOA_MinScaleFactor_Uls_f32	0.474400163	
_TrqLOA_NomDrvTrq_MtrNm_f32	5.01073074	
_TrqLOA_RisingRampRate_UlspS_f32	998.71936	
_TrqLOA_SteerRatio_Uls_f32	17.8633633	
TrqLOA UndersteerGrad RadpG f32	0.25	
TrqLOA Wheelbase M f32	4.93362379	
2 TrqLOA DiffGainY Uls u1p15[0][0]	655	
2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	2458	
2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	4915	
2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	6226	
2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	655	
2_TrqLOA_DiffGainY_Uls_u1p13[1][1]	2458	
2_TrqLOA_DiffGainY_Uls_u1p13[1][1]	4915	
2_TrqLOA_DiffGainY_UIs_u1p15[1][2]	6226	
2_frqLOA_biirGainY_bis_u1p15[7][5] 2_frqLOA_biffGainY_bis_u1p15[2][0]	655	
	2458	
2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	4915	
2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	6226	
2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	655	
2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	2458	
2_TrqLOA_DiffGainY_Uls_u1p15[3][1]		
2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	4915 6226	
2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	655	
2_TrqLOA_DiffGainY_UIs_u1p15[4][0]	2458	
2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	4915	
2_TrqLOA_DiffGainY_Uls_u1p15[4][2]		
2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	6226	
2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	655	
2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	2458	
2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	4915	
2_TrqLOA_DiffGainY_Uls_u1p15[5][3] 2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	6226 655	

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TrqLOA_Per1



Name	Input Value		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	2458		
t2_TrqLOA_DiffGainY_UIs_u1p15[6][2]	4915		
t2_TrqLOA_DiffGainY_UIs_u1p15[6][3]	6226		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	655		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	2458		
t2_TrqLOA_DiffGainY_UIs_u1p15[7][2]	4915		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	6226		
t_TrqLOA_DiffGainX_G_u2p14[0]	328		
t_TrqLOA_DiffGainX_G_u2p14[1]	1229		
t_TrqLOA_DiffGainX_G_u2p14[2]	2458		
t_TrqLOA_DiffGainX_G_u2p14[3]	3113		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	8320		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1] t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	8640 8960		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	9280		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	9600		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	3277		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	6554		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	9830		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	13107		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	16384		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	36864		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	37683		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	40960		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	41779		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	45056		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	45875		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	49152		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	49971		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	13107		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	21709		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	23347		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	20480		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	26624		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	28262		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	33997		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	31539		
t_TrqLOA_X_Kph_u10p6[0]	576 640		
t_TrqLOA_X_Kph_u10p6[1] t_TrqLOA_X_Kph_u10p6[2]	704		
t_TrqLOA_X_Kph_u10p6[3]	768		
t_TrqLOA_X_Kph_u10p6[4]	832		
t_TrqLOA_X_Kph_u10p6[5]	896		
t_TrqLOA_X_Kph_u10p6[6]	960		
t_TrqLOA_X_Kph_u10p6[7]	1024		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelA	Authority_Uls_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpS	SecSq_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelVali	id_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaM	ltgtnEn_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_	MtrRadpS_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_I	HwDeg_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOAAvai		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmo	d_MtrNm_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc	target_TrqLOA_Per1_VehicleSpee		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpee	ed_Kph_f32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0.591545701		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-5.60033464		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1006 67305		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-1996.67395 -417.604858		
	0		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc.value target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	269.085175		
		Expected Value	Popult
Name Trol OA LatAccScaleEactor Lile M #32	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32 TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.995814264 0.132457942	0.995814264 0.132457957 ± 0.01	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-3.83386064	-3.83386064 ± 0.01	
	-0.824423671	-0.824423671 ± 0.01	
		0.02 TT2001 T 1 0.0 T	
TrqLOA_TloaCmd_MtrNm_M_f32 TrqLOA_TrqBasedScaleFactor_Uls_M_f32		1,00929701 ± 0.01	•
TrqLOA_rioacriio_mitNii_M_is2 TrqLOA_TrqBasedScaleFactor_Uls_M_f32 target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	1.00929701	1.00929701 ± 0.01	





Test Step 2.54 (Repeat Count = 1)	✓
Name	Input Value
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA
TrqLOA_LatAccScaleFactor_Uls_M_f32	1
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.25
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0384999998
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-0.533717394
TrqLOA_TloaCmd_MtrNm_M_f32	1
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-0.762170672
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	8.22060299
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	1000
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32 k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	-60.1902962 14.1096458
k_TrqLOA_billingRampRate_UlspS_f32	-916.19989
k_TrqLOA_LatAccConversionFactor_Uls_f32	4.97509384
k TrqLOA LimOutput MtrNm f32	3.29564786
k_TrqLOA_MaxScaleFactor_Uls_f32	0.707442999
k_TrqLOA_MinScaleFactor_Uls_f32	1
k_TrqLOA_NomDrvTrq_MtrNm_f32	4.27512932
k_TrqLOA_RisingRampRate_UlspS_f32	58.0827904
k_TrqLOA_SteerRatio_Uls_f32	11.9985943
k_TrqLOA_UndersteerGrad_RadpG_f32	0.25
k_TrqLOA_Wheelbase_M_f32	16.0181084
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1] t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	8192 9503
t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	9830
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	6554
t2 TrqLOA DiffGainY Uls u1p15[1][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	9830
t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	9830
t2_TrqLOA_DiffGainY_UIs_u1p15[3][0]	6554
t2_TrqLOA_DiffGainY_UIs_u1p15[3][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2] t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	9503 9830
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	9830
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	9830
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	6554
t2_TrqLOA_DiffGainY_UIs_u1p15[6][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3] t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	9830 6554
tz_IrqLOA_DiffGainY_Uis_u1p15[7][0] t2_TrqLOA_DiffGainY_Uis_u1p15[7][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	9830
t_TrqLOA_DiffGainX_G_u2p14[0]	3277
t_TrqLOA_DiffGainX_G_u2p14[1]	4096
t_TrqLOA_DiffGainX_G_u2p14[2]	4751
t_TrqLOA_DiffGainX_G_u2p14[3]	4915
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	9920
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	10240
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	10560
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	10880 11200
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4] t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	6554
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	16384
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	19661
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	53248
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	54067
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	56115
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	56934





Name	Input Value		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	58163		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	60211		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	60621		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	61030		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	13926		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	22938		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	24166		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	20890		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	27443		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	29082		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	35226		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	32358		
t_TrqLOA_X_Kph_u10p6[0]	1088		
t_TrqLOA_X_Kph_u10p6[1]	1152		
t_TrqLOA_X_Kph_u10p6[2]	1216		
t_TrqLOA_X_Kph_u10p6[3]	1280		
t_TrqLOA_X_Kph_u10p6[4]	1344		
t_TrqLOA_X_Kph_u10p6[5]	1408		
t_TrqLOA_X_Kph_u10p6[6]	1472		
t_TrqLOA_X_Kph_u10p6[7]	1536		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecSq_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelValid_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaM	ftgtnEn_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_	_MtrRadpS_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_	HwDeg_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOAAva	il_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmo	d_MtrNm_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSpec	edValid_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpec	ed_Kph_f32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0.764021397		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-3.21581197		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	0		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	1167.25403		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-270.033112		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	192.703552		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.87961942	0.87961942	•
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.190765619	0.190765619 ± 0.01	•
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-0	0 ± 0.01	•
TrqLOA_TloaCmd_MtrNm_M_f32	-0	0 ± 0.01	•
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-0.646005094	-0.646005094 ± 0.01	•
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	•
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	-0	0 ± 0.01	•

Test Step 2.55 (Repeat Count = 1)	
Name	Input Value
Rte Inst Ap TrgLOA	target Rte Inst Ap TrqLOA
TrqLOA LatAccScaleFactor Uls M f32	0.637695909
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.30000012
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0390000008
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	3.97543454
TrqLOA_TloaCmd_MtrNm_M_f32	1.5
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-0.908284605
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	4.6453557
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	404.5
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-7.51842785
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	20.3996239
k_TrqLOA_FallingRampRate_UlspS_f32	-464.011536
k_TrqLOA_LatAccConversionFactor_Uls_f32	1.06608927
k_TrqLOA_LimOutput_MtrNm_f32	4.70520544
k_TrqLOA_MaxScaleFactor_Uls_f32	1
k_TrqLOA_MinScaleFactor_Uls_f32	0.664818645
k_TrqLOA_NomDrvTrq_MtrNm_f32	6.47655058
k_TrqLOA_RisingRampRate_UlspS_f32	552.899597
k_TrqLOA_SteerRatio_Uls_f32	96.2371902
k_TrqLOA_UndersteerGrad_RadpG_f32	0.25
k_TrqLOA_Wheelbase_M_f32	11.0910397
t2_TrqLOA_DiffGainY_UIs_u1p15[0][0]	10158





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17203
4096
8192
14336
15974
17613
19251
20480
22528
1600
1664
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1792
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1920
1984
2048
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32
target_TrqLOA_Per1_LatAcc_MpSecSq_f32
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc

target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value





Name	Input Value			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_	_HwDeg_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOAAva	iil_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACm	d_MtrNm_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc	target_TrqLOA_Per1_VehicleSpe	edValid_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpe	ed_Kph_f32		
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0.601940989			
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-8.82232189			
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0			
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	0	0		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	1492.13257	1492.13257		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-356.246979			
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	0			
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	200.567169			
Name	Actual Value	Expected Value	Result	
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.622659028	0.622659028	~	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.2794604	0.2794604 ± 0.01	~	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	✓	
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	✓	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.197514594	0.197514579 ± 0.01	✓	
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	✓	

0

0 ± 0.01

Name	Input Value	
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA	
TrqLOA LatAccScaleFactor Uls M f32	0.508383274	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.34999994	
TrqLOA LatAccelSV g M Str.K Uls f32	0.0395000018	
TrqLOA ScaledMtrTrqCmd MtrNm M f32	8.80000019	
TrqLOA_TloaCmd_MtrNm_M_f32	2	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-1.85330462	
<pre><_TrqLOA_AbsAssistThreshold_MtrNm_f32</pre>	4.75983143	
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	265.580505	
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-8.98526001	
k TrqLOA DiffScaleRateLimiterRising UlspS f32	98.3069687	
k TrgLOA FallingRampRate UlspS f32	-22.6989975	
k TrgLOA_r allingreampreaco_oispo_isz	7.02576303	
k_TrqLOA_LimOutput_MtrNm_f32	2.79434323	
k_TrqLOA_LimOutput_MitMin_i32 k_TrqLOA_MaxScaleFactor_Uls_f32	0	
k_TrqLOA_MinScaleFactor_Uls_f32	0.0327279568	
k_TrqLOA_NomDrvTrq_MtrNm_f32	4.1759367	
k_TrqLOA_RisingRampRate_UlspS_f32	481.665192	
	87.3385468	
<_TrqLOA_SteerRatio_Uls_f32 <_TrqLOA_UndersteerCrad_RadaC_f23	0.25	
<pre><_TrqLOA_UndersteerGrad_RadpG_f32</pre>	1.11183953	
k_TrqLOA_Wheelbase_M_f32 t2 TrqLOA DiffGainY Uls u1p15[0][0]	13763	
_ , ,	15729	
t2_TrqLOA_DiffGainY_UIs_u1p15[0][1]	17039	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	19661	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]		
I2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	13763	
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	15729	
I2_TrqLOA_DiffGainY_UIs_u1p15[1][2]	17039	
I2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	19661	
2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	13763	
2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	15729	
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	17039	
12_TrqLOA_DiffGainY_Uls_u1p15[2][3]	19661	
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	13763	
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	15729	
12_TrqLOA_DiffGainY_Uls_u1p15[3][2]	17039	
2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	19661	
2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	13763	
2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	15729	
2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	17039	
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	19661	
2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	13763	
2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	15729	
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	17039	
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	19661	
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	13763	

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Name	Input Value			
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	15729			
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	17039			
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	19661			
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	13763			
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	15729			
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	17039			
t2_TrqLOA_DiffGainY_UIs_u1p15[7][3]	19661			
t_TrqLOA_DiffGainX_G_u2p14[0]	6881			
	7864			
t_TrqLOA_DiffGainX_G_u2p14[1]	8520			
t_TrqLOA_DiffGainX_G_u2p14[2]				
t_TrqLOA_DiffGainX_G_u2p14[3]	9830			
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	13120			
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	13440			
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	13760			
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	14080			
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	14400			
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	6554			
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	9830			
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	13107			
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	16384			
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	19661			
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	20480			
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	21299			
t TrqLOA LatAccGain Y MtrNmpG u4p12[2]	24576			
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	24576 25395			
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]				
	28672			
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	29491			
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	32768			
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	33587			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	4915			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	9421			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	15155			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	16384			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	18432			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	20070			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	21709			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	23347			
t_TrqLOA_X_Kph_u10p6[0]	2112			
t_TrqLOA_X_Kph_u10p6[1]	2176			
t TrgLOA X Kph u10p6[2]	2240			
t_TrqLOA_X_Kph_u10p6[3]	2304			
	2368			
t_TrqLOA_X_Kph_u10p6[4]	2432			
t_TrqLOA_X_Kph_u10p6[5]				
t_TrqLOA_X_Kph_u10p6[6]	2496			
t_TrqLOA_X_Kph_u10p6[7]	2560			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthority_UIs_f32			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecSq_f32			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelValid_Cnt_lgc			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_HwDeg_f32			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc			
target Rte Inst Ap TrqLOA.TrqLOA Per1 VehicleSpeed Kph f32	target TrqLOA Per1 VehicleSpeed Kph f32			
target TrqLOA Per1 HandwheelAuthority Uls f32.value	target_irqLOA_Peri_venicieSpeed_kpn_t32			
·				
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-8.45646667			
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	1			
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1			
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	824.946716			
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-291.672058			
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	0			
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	40.8200684			
Name	Actual Value	Expected Value	Result	
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.600006104	0.600006104	_	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.329298735	0.329298735 ± 0.01	•	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0.529296755 ± 0.01		
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	<u> </u>	
	-0.889974177	-0.889974236 ± 0.01		
TrqLOA_TrqBasedScaleFactor_Uls_M_f32				
target_TrqLOA_Per1_TrqLOAAvail_Cnt_Igc.value	0	0	V	
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0	0 ± 0.01		





Test Step 2.57 (Repeat Count = 1)	
Name	Input Value
Rte_Inst_Ap_TrqLOA	target Rte Inst Ap TrqLOA
TrqLOA_LatAccScaleFactor_Uls_M_f32	1
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.40000006
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.039999991
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	7.8268919
TrqLOA_TloaCmd_MtrNm_M_f32	2.5
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-1.43065906
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	5.31270456
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	489.314453
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32 k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	-51.2935638 98.1905823
k_TrqLOA_BillingRampRate_UlspS_f32	-546.58197
k_TrqLOA_LatAccConversionFactor_Uls_f32	8.49251175
k TrqLOA LimOutput MtrNm f32	3.4109993
k_TrqLOA_MaxScaleFactor_Uls_f32	1
k_TrqLOA_MinScaleFactor_Uls_f32	0.580245137
k_TrqLOA_NomDrvTrq_MtrNm_f32	4.90432882
k_TrqLOA_RisingRampRate_UlspS_f32	146.907883
k_TrqLOA_SteerRatio_Uls_f32	51.333065
k_TrqLOA_UndersteerGrad_RadpG_f32	0.184178278
k_TrqLOA_Wheelbase_M_f32	6.67440891
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1] t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	19333 21299
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	19333
t2_TrqLOA_DiffGainY_UIs_u1p15[1][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3] t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	26214 17367
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	21299 26214
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3] t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	26214
t_TrqLOA_DiffGainX_G_u2p14[0]	8684
t_TrqLOA_DiffGainX_G_u2p14[1]	9667
t_TrqLOA_DiffGainX_G_u2p14[2]	10650
t_TrqLOA_DiffGainX_G_u2p14[3]	13107
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	14720
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	15040
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	15360
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3] t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	15680 16000
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	6554
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	16384
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	19661
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	36864
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	37683
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	40960
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	41779





Name	Input Value		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	45056		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	45875		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	49152		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	49971		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	5734		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	10650		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	15974		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	16794		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	19251		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	20890		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	22938		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	24166		
t_TrqLOA_X_Kph_u10p6[0]	2624		
t_TrqLOA_X_Kph_u10p6[1]	2688		
t_TrqLOA_X_Kph_u10p6[2]	2752		
t_TrqLOA_X_Kph_u10p6[3]	2816		
t_TrqLOA_X_Kph_u10p6[4]	2880		
t_TrqLOA_X_Kph_u10p6[5]	2944		
t_TrqLOA_X_Kph_u10p6[6]	3008		
t_TrqLOA_X_Kph_u10p6[7]	3072		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthor	rity_Uls_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecSq	_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelValid_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_HwDe	g_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_Mtrl	Nm_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc	target_TrqLOA_Per1_VehicleSpeedVali	d_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpeed_Kp	h_f32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	1		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-8.75550842		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	653.842224		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-528.509216		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	256.530121		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.897412896	0.897412896	•
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.347527117	0.347527117 ± 0.01	•
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-0	0 ± 0.01	•
TrqLOA_TloaCmd_MtrNm_M_f32	-0	0 ± 0.01	•
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-1.1368432	-1.13684332 ± 0.01	•
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	•
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	-0	0 ± 0.01	•

Name	Input Value	
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA	
TrqLOA_LatAccScaleFactor_Uls_M_f32	1	
TrqLOA_LatAccelSV_g_M_Str.SV_UIs_f32	0.449999988	
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0405000001	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	6.26344252	
TrqLOA_TloaCmd_MtrNm_M_f32	3	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-0.773851991	
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	5.77768135	
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	747.446777	
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-43.0547447	
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	47.9102859	
k_TrqLOA_FallingRampRate_UlspS_f32	-937.159485	
k_TrqLOA_LatAccConversionFactor_Uls_f32	5.3237052	
k_TrqLOA_LimOutput_MtrNm_f32	1.59632158	
k_TrqLOA_MaxScaleFactor_Uls_f32	0.5	
k_TrqLOA_MinScaleFactor_Uls_f32	1	
k_TrqLOA_NomDrvTrq_MtrNm_f32	1.02700126	
k_TrqLOA_RisingRampRate_UlspS_f32	731.99884	
k_TrqLOA_SteerRatio_Uls_f32	41.2037506	
k_TrqLOA_UndersteerGrad_RadpG_f32	0.25	
k_TrqLOA_Wheelbase_M_f32	10.5805426	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	655	

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TrqLOA_Per1



Name	Input Value
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	4915
t2_TrqLOA_DiffGainY_UIs_u1p15[1][3]	6226 655
t2_TrqLOA_DiffGainY_Uls_u1p15[2][0] t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	2458
t2 TrqLOA DiffGainY Uls u1p15[2][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3] t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	6226 655
t2 TrqLOA DiffGainY Uls u1p15[5][1]	2458
t2_TrqLOA_DiriGainY_Uls_u1p15[5][1] t2_TrqLOA_DiriGainY_Uls_u1p15[5][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	6226 10486
t_TrqLOA_DiffGainX_G_u2p14[0] t_TrqLOA_DiffGainX_G_u2p14[1]	11469
t_TrqLOA_DiffGainX_G_u2p14[1]	12780
t_TrqLOA_DiffGainX_G_u2p14[3]	16384
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	16320
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	16640
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	16960
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	17280
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	17600
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	6554
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1] t TrqLOA HighSpeedTrqBlend Y Uls u1p15[2]	9830 13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	16384
t TrqLOA HighSpeedTrqBlend Y Uls u1p15[4]	19661
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	53248
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	54067
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	56115
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	56934
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	58163
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	60211
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	60621
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	61030 6554
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0] t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	11878
t TrqLOA TempTrqCmdSatYTbl MtrNm u4p12[2]	16794
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	17203
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	20070
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	21709
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	24166
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	24986
t_TrqLOA_X_Kph_u10p6[0]	3136
t_TrqLOA_X_Kph_u10p6[1]	3200
t_TrqLOA_X_Kph_u10p6[2]	3264 3328
t_TrqLOA_X_Kph_u10p6[3] t_TrqLOA_X_Kph_u10p6[4]	3328 3392
t_TrqLOA_X_Kph_u10p6[5]	3456
t_TrqLOA_X_Kph_u10p6[6]	3520
t_TrqLOA_X_Kph_u10p6[7]	3584
target_Rte_Inst_Ap_TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecSq_f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_Igc	target_TrqLOA_Per1_LatAccelValid_Cnt_lgc
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_Igc	target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc



TrqLOA_Per1

Name	Input Value			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos	target_TrqLOA_Per1_RelHwPos_HwDeg_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOAAv	rail_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACr	nd_MtrNm_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSp	eedValid_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSp	eed_Kph_f32		
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0.80274868			
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	9.43354797			
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0			
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1			
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-566.920227			
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	186.27681			
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1			
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	367.993713			
Name	Actual Value	Expected Value	Result	
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.913890481	0.913890481	✓	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.444069028	0.444069058 ± 0.01	✓	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	1.32299316	1.32299316 ± 0.01	✓	
TrqLOA_TloaCmd_MtrNm_M_f32	1.32299316	1.32299316 ± 0.01	✓	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.690145731	0.690145671 ± 0.01	✓	
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	✓	
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	1.32299316	1.32299316 ± 0.01	✓	

Name	Input Value	
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA	
TrqLOA LatAccScaleFactor Uls M f32	0.354075551	
TrqLOA_LatAccelSV g M Str.SV Uls f32	0.5	
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0410000011	
TrgLOA_LarAccersv_g_ivi_Str.K_ors_rs2 TrgLOA ScaledMtrTrgCmd MtrNm M f32	8.80000019	
·	3.5	
TrqLOA_TloaCmd_MtrNm_M_f32	2	
TrqLOA_TrqBasedScaleFactor_UIs_M_f32	5.57446289	
<pre><_TrqLOA_Abs/sistThreshold_MtrNm_f32</pre>		
<_TrqLOA_AbsVelThreshold_MtrRadpS_f32	876.234863	
	-46.2754173	
<_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	16.0770454	
x_TrqLOA_FallingRampRate_UlspS_f32	-197.560303	
<_TrqLOA_LatAccConversionFactor_Uls_f32	7.72955799	
<_TrqLOA_LimOutput_MtrNm_f32	3.87198281	
x_TrqLOA_MaxScaleFactor_Uls_f32	0.600276589	
<pre><_TrqLOA_MinScaleFactor_Uls_f32</pre>	0	
x_TrqLOA_NomDrvTrq_MtrNm_f32	8.8000019	
x_TrqLOA_RisingRampRate_UlspS_f32	421.95636	
x_TrqLOA_SteerRatio_Uls_f32	44.7789497	
x_TrqLOA_UndersteerGrad_RadpG_f32	0.25	
x_TrqLOA_Wheelbase_M_f32	12.674366	
2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	6554	
2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	8192	
2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	9503	
2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	9830	
2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	6554	
2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	8192	
2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	9503	
2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	9830	
2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	6554	
2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	8192	
2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	9503	
2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	9830	
2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	6554	
2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	8192	
2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	9503	
2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	9830	
2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	6554	
2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	8192	
2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	9503	
2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	9830	
2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	6554	
2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	8192	
2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	9503	
2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	9830	
2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	6554	

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Name	Input Value		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	8192		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	9503		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	9830		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	6554		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	8192		
t2_TrqLOA_DiffGainY_UIs_u1p15[7][2]	9503		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	9830		
t_TrqLOA_DiffGainX_G_u2p14[0]	12288		
t TrqLOA DiffGainX G u2p14[1]	13271		
t_TrqLOA_DiffGainX_G_u2p14[2]	14909		
t_TrqLOA_DiffGainX_G_u2p14[3]	19661		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	17920		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	18240		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	18560		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	18880		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	19200		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	6554		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	9830		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	13107		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	16384		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	19661		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	4096		
	4915		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1] t TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	8192		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	9011		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	12288		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	13107		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	16384		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	17203		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	7373		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	13107		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	17613		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	17613		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	20890		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	22528		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	25395		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	25805		
	3648		
t_TrqLOA_X_Kph_u10p6[0]			
t_TrqLOA_X_Kph_u10p6[1]	3712		
t_TrqLOA_X_Kph_u10p6[2]	3776		
t_TrqLOA_X_Kph_u10p6[3]	3840		
t_TrqLOA_X_Kph_u10p6[4]	3904		
t_TrqLOA_X_Kph_u10p6[5]	3968		
t_TrqLOA_X_Kph_u10p6[6]	4032		
t_TrqLOA_X_Kph_u10p6[7]	4096		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAu	uthority_Uls_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSe	ecSq_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target TrqLOA Per1 LatAccelValid	I Cnt Igc	
target Rte Inst Ap TrqLOA.TrqLOA Per1 MotAgLoaMtgtnEn Cnt Igc	target TrqLOA Per1 MotAgLoaMto	,	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_M	,	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_H	· -	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOAAvail_		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACMd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_		
target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSpeed		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpeed	ı_Npn_t3∠	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0.55655992		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-9.07191467		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	1045.78259		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	405.282532		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	413.821686		
Name	Actual Value	Expected Value	Result
TrqLOA LatAccScaleFactor Uls M f32	0.299987793	0.299987793	regult
TrqLOA_LatAccelSV_g_M_Str.SV_UIs_f32	0.504466712	0.504466712 ± 0.01	V
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	~
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	1.60487938	1.60487938 ± 0.01	~
TrqLOA_TrqBasedScaleFactor_Uls_M_f32 target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	1.60487938 0	1.60487938 ± 0.01	•





Test Step 2.60 (Repeat Count = 1)	Invest Value
Name	Input Value
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.127310753
TrqLOA_LatAccelSV_g_M_Str.SV_UIs_f32	0.550000012 0.0414999984
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	-5.53648186
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32 TrqLOA_TloaCmd_MtrNm_M_f32	-5.53046100 4
TrqLOA_Tibacing_MtiNin_w_is2 TrqLOA TrqBasedScaleFactor Uls M f32	-0.461854458
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	1.92148387
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	720.753113
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-6.41326952
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	47.2866669
k TrqLOA FallingRampRate UlspS f32	-181.520218
k_TrqLOA_LatAccConversionFactor_Uls_f32	10
k_TrqLOA_LimOutput_MtrNm_f32	5.93761349
k_TrqLOA_MaxScaleFactor_Uls_f32	0.162633419
k_TrqLOA_MinScaleFactor_Uls_f32	1
k_TrqLOA_NomDrvTrq_MtrNm_f32	6.28077221
k_TrqLOA_RisingRampRate_UlspS_f32	457.330048
k_TrqLOA_SteerRatio_Uls_f32	58.241581
k_TrqLOA_UndersteerGrad_RadpG_f32	0.184339285
k_TrqLOA_Wheelbase_M_f32	4.6749692
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	10158 12124
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1] t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	12780
t2_rrqLOA_biffGainY_Uis_u1p15[4][2]	13107
t2_TrqLOA_DiliGainY_Uls_u1p15[5][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	12780
t2_TrqLOA_DiffGainY_UIs_u1p15[5][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	12780
t2 TrgLOA DiffGainY Uls u1p15[6][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	13107
t_TrqLOA_DiffGainX_G_u2p14[0]	14090
t_TrqLOA_DiffGainX_G_u2p14[1]	15073
t_TrqLOA_DiffGainX_G_u2p14[2]	17039
t_TrqLOA_DiffGainX_G_u2p14[3]	22938
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	19520
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	19840
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	20160
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	20480
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	20800
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	6554
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	16384
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	19661
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	20480
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	21299
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	24576
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	25395





Name	Input Value		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	28672		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	29491		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	32768		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	33587		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	8192		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	14336		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	18432		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	18022		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	21709		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	23347		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	26624		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	26624		
t_TrqLOA_X_Kph_u10p6[0]	4160		
t_TrqLOA_X_Kph_u10p6[1]	4224		
t_TrqLOA_X_Kph_u10p6[2]	4288		
t_TrqLOA_X_Kph_u10p6[3]	4352		
t_TrqLOA_X_Kph_u10p6[4]	4416		
t_TrqLOA_X_Kph_u10p6[5]	4480		
t_TrqLOA_X_Kph_u10p6[6]	4544		
t_TrqLOA_X_Kph_u10p6[7]	4608		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_Handwheel	Authority_Uls_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_Mp	SecSq_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_Igc	target_TrqLOA_Per1_LatAccelValid_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_HwDeg_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACm	d_MtrNm_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc	target_TrqLOA_Per1_VehicleSpe	edValid_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpe	ed_Kph_f32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0.320883036		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	10		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	0		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	105.865387		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-463.388245		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	383.681519		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.221884102	0.221884087	•
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.496582747	0.496582747 ± 0.01	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	•
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	•
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.452805698	0.452805638 ± 0.01	•
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	•
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0	0 ± 0.01	

Name	Input Value	
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA	
TrqLOA_LatAccScaleFactor_Uls_M_f32	1	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.60000024	
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0419999994	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-5.59451866	
TrqLOA_TloaCmd_MtrNm_M_f32	4.5	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	1.5251174	
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	5.73082399	
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	682.238342	
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-96.6626129	
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	64.4656067	
k_TrqLOA_FallingRampRate_UlspS_f32	-740.465698	
k_TrqLOA_LatAccConversionFactor_Uls_f32	8.30616283	
k_TrqLOA_LimOutput_MtrNm_f32	4.30037689	
k_TrqLOA_MaxScaleFactor_Uls_f32	1	
k_TrqLOA_MinScaleFactor_Uls_f32	0.5	
k_TrqLOA_NomDrvTrq_MtrNm_f32	4.25783968	
k_TrqLOA_RisingRampRate_UlspS_f32	720.657654	
k_TrqLOA_SteerRatio_Uls_f32	14.0389872	
k_TrqLOA_UndersteerGrad_RadpG_f32	0.25	
k_TrqLOA_Wheelbase_M_f32	17.1706886	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	13763	





Name	Input Value
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	15729 17039
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2] t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	19661
t2_TrqLOA_DilfGainY_Uls_u1p15[2][0]	13763
t2 TrqLOA DiffGainY Uls u1p15[3][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	19661
t_TrqLOA_DiffGainX_G_u2p14[0]	15892
t_TrqLOA_DiffGainX_G_u2p14[1]	16876
t_TrqLOA_DiffGainX_G_u2p14[2]	19169
t_TrqLOA_DiffGainX_G_u2p14[3]	26214
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	21120
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	21440 21760
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2] t TrqLOA HighSpeedTrqBlend X Kph u10p6[3]	22080
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	22400
t TrqLOA HighSpeedTrqBlend Y Uls u1p15[0]	6554
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	16384
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	19661
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	36864
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	37683
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	40960
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	41779
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	45056
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	45875
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	49152
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	49971
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	9011
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	15565
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	19251
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	18432
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	22528
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	24166
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	27853
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	27443
t_TrqLOA_X_Kph_u10p6[0]	4672
t_TrqLOA_X_Kph_u10p6[1]	4736
t_TrqLOA_X_Kph_u10p6[2]	4800
t_TrqLOA_X_Kph_u10p6[3]	4864
t_TrqLOA_X_Kph_u10p6[4]	4928
t_TrqLOA_X_Kph_u10p6[5]	4992
t_TrqLOA_X_Kph_u10p6[6]	5056 5120
t_TrqLOA_X_Kph_u10p6[7]	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32
target Rte Inst An Trol OA Trol OA Pert LatAcc MnSecSa f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32 target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAcc_MpSecSq_f32 target_TrqLOA_Per1_LatAccelValid_Cnt_lgc





Name	Input Value			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCF	target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPo	os_HwDeg_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc	target_TrqLOA_Per1_TrqLOAA	vail_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOAC	Cmd_MtrNm_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleS	peedValid_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleS	peed_Kph_f32		
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0.325643182			
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-9.67909622			
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0	0		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1	1		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	1983.73108	1983.73108		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	151.272461	151.272461		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1			
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	504.07077			
Name	Actual Value	Expected Value	Result	
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.806674778	0.806674778	✓	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.605344892	0.605344892 ± 0.01	✓	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	1.1167767	1.1167767 ± 0.01	✓	
TrqLOA_TloaCmd_MtrNm_M_f32	1.1167767	1.1167767 ± 0.01	•	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.5	0.5 ± 0.01	~	
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	~	
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	1.1167767	1.1167767 ± 0.01	✓	

Name	Input Value	
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA	
TrqLOA LatAccScaleFactor Uls M f32	1	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.649999976	
TrqLOA LatAccelSV g M Str.K Uls f32	0.0425000004	
TrqLOA ScaledMtrTrqCmd MtrNm M f32	-2.67422986	
TrqLOA_TloaCmd_MtrNm_M_f32	5	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-2	
<pre><_TrqLOA_AbsAssistThreshold_MtrNm_f32</pre>	9.5640955	
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	748.600159	
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-71.7383728	
k TrgLOA DiffScaleRateLimiterRising UlspS f32	27.6928959	
k TrqLOA FallingRampRate UlspS f32	-96.2159729	
k TrgLOA LatAccConversionFactor Uls f32	2.10660577	
k_TrqLOA_LimOutput_MtrNm_f32	8.8000019	
k_TrqLOA_Emoutput_Mannin_i32	1	
k_TrqLOA_MinScaleFactor_Uls_f32	0.268023968	
k_TrqLOA_NomDrvTrq_MtrNm_f32	8.01241589	
k_TrqLOA_RisingRampRate_UlspS_f32	761.766296	
k_TrqLOA_SteerRatio_Uls_f32	51.8408661	
k TrqLOA_Gleen\alio_Gls_i32	0.25	
k TrqLOA_UndersteerGrau_reaupg_lb2	2.65969491	
t2 TrqLOA_WifeGinaSe_W_IS2 t2 TrqLOA DiffGainY Uls u1p15[0][0]	17367	
t2_TrqLOA_DiliGainY_Uls_u1p15[0][0] t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	19333	
t2_TrqLOA_DillGainY_Uls_u1p15[0][1] t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	21299	
	26214	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	17367	
t2_TrqLOA_DiffGainY_UIs_u1p15[1][0]	19333	
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	21299	
I2_TrqLOA_DiffGainY_UIs_u1p15[1][2]	26214	
I2_TrqLOA_DiffGainY_UIs_u1p15[1][3]		
t2_TrqLOA_DiffGainY_UIs_u1p15[2][0]	17367	
t2_TrqLOA_DiffGainY_UIs_u1p15[2][1]	19333	
12_TrqLOA_DiffGainY_UIs_u1p15[2][2]	21299	
I2_TrqLOA_DiffGainY_UIs_u1p15[2][3]	26214	
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	17367	
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	19333	
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	21299	
2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	26214	
2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	17367	
2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	19333	
2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	21299	
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	26214	
2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	17367	
2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	19333	
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	21299	
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	26214	
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	17367	

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Name	Input Value		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	19333		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	21299		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	26214		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	17367		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	19333		
t2_TrqLOA_DiffGainY_UIs_u1p15[7][2]	21299		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	26214		
t_TrqLOA_DiffGainX_G_u2p14[0]	17695		
t_TrqLOA_DiffGainX_G_u2p14[1] t_TrqLOA_DiffGainX_G_u2p14[2]	18678 21299		
t TrgLOA DiffGainX G u2p14[3]	29491		
t TrqLOA HighSpeedTrqBlend X Kph u10p6[0]	22720		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	23040		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	23360		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	23680		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	24000		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	6554		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	9830		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	13107		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	16384		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	19661		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	53248		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	54067		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	56115		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	56934		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	58163		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	60211		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	60621		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	61030		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	9830		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	16794 20070		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2] t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	18842		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	23347		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	24986		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	29082		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	28262		
t_TrqLOA_X_Kph_u10p6[0]	5184		
t_TrqLOA_X_Kph_u10p6[1]	5248		
t_TrqLOA_X_Kph_u10p6[2]	5312		
t_TrqLOA_X_Kph_u10p6[3]	5376		
t_TrqLOA_X_Kph_u10p6[4]	5440		
t_TrqLOA_X_Kph_u10p6[5]	5504		
t_TrqLOA_X_Kph_u10p6[6]	5568		
t_TrqLOA_X_Kph_u10p6[7]	5632		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_Handwhee	·	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_Mp		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelVa	•	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_Igc	target_TrqLOA_Per1_MotAgLoal		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc target_Rte_Inst_Ap_TrqLOA.TrqLOA Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOAAva		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_intrNin_isz target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc	target_TrqLOA_Per1_TrqLOACm target_TrqLOA_Per1_VehicleSpe		
target Rte Inst Ap TrqLOA.TrqLOA Per1 VehicleSpeed Kph f32	target_TrqLOA_Per1_VehicleSpe		
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	1	seu_rxpii_i32	
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-2.9048202		
target TrgLOA Per1 LatAccelValid Cnt lgc.value	0		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-1074.27112		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	154.282684		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	20.9967651		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.856523275	0.856523275	
TrqLOA_LatAccelSV_g_M_Str.SV_UIs_f32	0.624545872	0.624545872 ± 0.01	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	•
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	•
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-0.476467371	-0.476467431 ± 0.01	•
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	•
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0	0 ± 0.01	





Test Step 2.63 (Repeat Count = 1)	
Name	Input Value
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA
TrqLOA_LatAccScaleFactor_Uls_M_f32	1
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.100000001
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0430000015
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	2.41386628
TrqLOA_TloaCmd_MtrNm_M_f32	5.5
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	2
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	3.84290671
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32 k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	384.24939 -46.602211
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	62.1562195
k_TrqLOA_FallingRampRate_UlspS_f32	-245.017471
k_TrqLOA_LatAccConversionFactor_Uls_f32	9.63429737
k_TrqLOA_LimOutput_MtrNm_f32	8.80000019
k_TrqLOA_MaxScaleFactor_Uls_f32	0.78795445
k_TrqLOA_MinScaleFactor_Uls_f32	0.829191089
k_TrqLOA_NomDrvTrq_MtrNm_f32	5.52885151
k_TrqLOA_RisingRampRate_UlspS_f32	334.853485
k_TrqLOA_SteerRatio_Uls_f32	41.602951
k_TrqLOA_Wheelhees M_622	0.25
k_TrqLOA_Wheelbase_M_f32 t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	11.8579302 655
t2 TrqLOA DiffGainY Uls u1p15[0][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	655
t2_TrqLOA_DiffGainY_UIs_u1p15[2][1]	2458
t2_TrqLOA_DiffGainY_UIs_u1p15[2][2]	4915 6226
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3] t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	2458
t2_TrqLOA_DiffGainY_UIs_u1p15[3][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	655
t2_TrqLOA_DiffGainY_UIs_u1p15[5][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2] t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	4915 6226
t2 TrqLOA DiffGainY Uls u1p15[6][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	4915
t2_TrqLOA_DiffGainY_UIs_u1p15[6][3]	6226
t2_TrqLOA_DiffGainY_UIs_u1p15[7][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	6226
t_TrqLOA_DiffGainX_G_u2p14[0]	328
t_TrqLOA_DiffGainX_G_u2p14[1] t_TrqLOA_DiffGainX_G_u2p14[2]	1229 2458
t_IrqLOA_DiffGainX_G_u2p14[2] t_TrqLOA_DiffGainX_G_u2p14[3]	3113
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	320
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	640
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	960
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	1280
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	1600
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	6554
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	16384
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	19661 4096
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0] t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	4915
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	8192
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	9011
r r1	





Name	Input Value		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	12288		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	13107		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	16384		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	17203		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	10650		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	18022		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	20890		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	19251		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	24166		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	25805		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	30310		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	29082		
t_TrqLOA_X_Kph_u10p6[0]	5696		
t_TrqLOA_X_Kph_u10p6[1]	5760		
t_TrqLOA_X_Kph_u10p6[2]	5824		
t_TrqLOA_X_Kph_u10p6[3]	5888		
t_TrqLOA_X_Kph_u10p6[4]	5952		
t_TrqLOA_X_Kph_u10p6[5]	6016		
t_TrqLOA_X_Kph_u10p6[6]	6080		
t_TrqLOA_X_Kph_u10p6[7]	6144		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecSq_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_Igc	target_TrqLOA_Per1_LatAccelValid_Cnt_Igc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_HwDeg_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOAAvail_Cnt_Igc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc	target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpeed_Kph_f32		
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0.820146441		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-5.4794178		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	1123.13818		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	982.462402		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	395.937531		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.906795561	0.906795561	•
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.163966477	0.163966462 ± 0.01	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0.619687796	0.619687855 ± 0.01	•
TrqLOA_TloaCmd_MtrNm_M_f32	0.619687796	0.619687855 ± 0.01	•
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	1.50996506	1.50996506 ± 0.01	•
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	•
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0.619687796	0.619687855 ± 0.01	•

Name	Input Value	
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA	
TrqLOA_LatAccScaleFactor_Uls_M_f32	1	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.150000006	
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0434999987	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	8.80000019	
TrqLOA_TloaCmd_MtrNm_M_f32	6	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	1.5	
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	2.98309565	
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	909.534851	
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-24.0498333	
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	79.0181427	
k_TrqLOA_FallingRampRate_UlspS_f32	-208.018539	
k_TrqLOA_LatAccConversionFactor_Uls_f32	8.6829052	
k_TrqLOA_LimOutput_MtrNm_f32	3.57006645	
k_TrqLOA_MaxScaleFactor_Uls_f32	1	
k_TrqLOA_MinScaleFactor_Uls_f32	1	
k_TrqLOA_NomDrvTrq_MtrNm_f32	0.726554036	
k_TrqLOA_RisingRampRate_UlspS_f32	962.290283	
k_TrqLOA_SteerRatio_Uls_f32	6.56352139	
k_TrqLOA_UndersteerGrad_RadpG_f32	0.25	
k_TrqLOA_Wheelbase_M_f32	3.98621607	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	6554	





Name	Input Value
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	8192
t2 TrqLOA DiffGainY Uls u1p15[0][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	9830
t2_TrqLOA_DiffGainY_UIs_u1p15[1][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	9830
t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	9830
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	9830
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	8192
t2_TrqLOA_DiffGainY_UIs_u1p15[4][2]	9503
t2_TrqLOA_DiffGainY_UIs_u1p15[4][3]	9830
t2_TrqLOA_DiffGainY_UIs_u1p15[5][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3] t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	9830 6554
tz_IrqLOA_DiffGainY_Uls_u1p15[6][1] t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	9830
t2 TrqLOA DiffGainY Uls u1p15[7][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	9503
t2_TrqLOA_DiffGainY_UIs_u1p15[7][3]	9830
t_TrqLOA_DiffGainX_G_u2p14[0]	3277
t_TrqLOA_DiffGainX_G_u2p14[1]	4096
t_TrqLOA_DiffGainX_G_u2p14[2]	4751
t_TrqLOA_DiffGainX_G_u2p14[3]	4915
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	1920
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	2240
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	2560
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	2880
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	3200
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	6554
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	16384
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	19661
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	20480
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	21299
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	24576
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	25395
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	28672
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5] t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	29491 32768
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	33587
t_TrqLOA_tempTrqCmdSatYTbl_MtrNm_u4p12[0]	11469
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	19251
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	21709
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	19661
t TrqLOA TempTrqCmdSatYTbl MtrNm u4p12[4]	24986
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	26624
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	31539
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	29901
t_TrqLOA_X_Kph_u10p6[0]	6208
t_TrqLOA_X_Kph_u10p6[1]	6272
t_TrqLOA_X_Kph_u10p6[2]	6336
t_TrqLOA_X_Kph_u10p6[3]	6400
t_TrqLOA_X_Kph_u10p6[4]	6464
t_TrqLOA_X_Kph_u10p6[5]	6528
t_TrqLOA_X_Kph_u10p6[6]	6592
t_TrqLOA_X_Kph_u10p6[7]	6656
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecSq_f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelValid_Cnt_lgc
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc





Name	Input Value		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_	_MtrRadpS_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_	HwDeg_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc	target_TrqLOA_Per1_TrqLOAAva	il_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmo	d_MtrNm_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc	target_TrqLOA_Per1_VehicleSpee	edValid_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpec	ed_Kph_f32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0.825533628		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	0.187185764		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	1207.13953		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	863.729614		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	157.958984		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.951900303	0.951900363	~
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.513088524	0.513088584 ± 0.01	✓
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	4.16939354	4.16939354 ± 0.01	✓
TrqLOA_TloaCmd_MtrNm_M_f32	3.57006645	3.57006645 ± 0.01	✓
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	1.08396292	1.08396292 ± 0.01	✓
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	~
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	3.57006645	3.57006645 ± 0.01	✓

e_Inst_Ap_TrqLOA qLOA_LatAccScaleFactor_Uls_M_f32 qLOA_LatAccelSV_g_M_Str.SV_Uls_f32 qLOA_LatAccelSV_g_M_Str.K_Uls_f32 qLOA_LatAccelSV_g_M_Str.K_Uls_f32 qLOA_ScaledMtrTrqCmd_MtrNm_M_f32 qLOA_TloaCmd_MtrNm_M_f32 qLOA_TrqBasedScaleFactor_Uls_M_f32 TrqLOA_AbsAssistThreshold_MtrNm_f32 TrqLOA_AbsVelThreshold_MtrRadpS_f32 TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32 TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	Input Value target_Rte_Inst_Ap_TrqLOA 1 0.200000003 0.0439999998 8.17687893 6.5 0 6.695158 223.666779
qLOA_LatAccScaleFactor_Uls_M_f32 qLOA_LatAccelSV_g_M_Str.SV_Uls_f32 qLOA_LatAccelSV_g_M_Str.K_Uls_f32 qLOA_ScaledMtrTrqCmd_MtrNm_M_f32 qLOA_TloaCmd_MtrNm_M_f32 qLOA_TrqBasedScaleFactor_Uls_M_f32 TrqLOA_AbsAssistThreshold_MtrNm_f32 TrqLOA_AbsVelThreshold_MtrRadpS_f32 TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	1 0.20000003 0.043999998 8.17687893 6.5 0 6.695158
qLOA_LatAccelSV_g_M_Str.SV_Uls_f32 qLOA_LatAccelSV_g_M_Str.K_Uls_f32 qLOA_ScaledMtrTrqCmd_MtrNm_M_f32 qLOA_TloaCmd_MtrNm_M_f32 qLOA_TrqBasedScaleFactor_Uls_M_f32 TrqLOA_AbsAssistThreshold_MtrNm_f32 TrqLOA_AbsVelThreshold_MtrRadpS_f32 TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	0.200000003 0.0439999998 8.17687893 6.5 0 6.695158
qLOA_LatAccelSV_g_M_Str.K_Uls_f32 qLOA_ScaledMtrTrqCmd_MtrNm_M_f32 qLOA_TloaCmd_MtrNm_M_f32 qLOA_TrqBasedScaleFactor_Uls_M_f32 TrqLOA_AbsAssistThreshold_MtrNm_f32 TrqLOA_AbsVelThreshold_MtrRadpS_f32 TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	0.043999998 8.17687893 6.5 0 6.695158
qLOA_ScaledMtrTrqCmd_MtrNm_M_f32 qLOA_TloaCmd_MtrNm_M_f32 qLOA_TrqBasedScaleFactor_Uls_M_f32 TrqLOA_AbsAssistThreshold_MtrNm_f32 TrqLOA_AbsVelThreshold_MtrRadpS_f32 TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	6.5 0 6.695158
qLOA_TloaCmd_MtrNm_M_f32 qLOA_TrqBasedScaleFactor_Uls_M_f32 TrqLOA_AbsAssistThreshold_MtrNm_f32 TrqLOA_AbsVelThreshold_MtrRadpS_f32 TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	6.5 0 6.695158
qLOA_TrqBasedScaleFactor_Uls_M_f32 TrqLOA_AbsAssistThreshold_MtrNm_f32 TrqLOA_AbsVeIThreshold_MtrRadpS_f32 TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	6.695158
TrqLOA_AbsAssistThreshold_MtrNm_f32 TrqLOA_AbsVeIThreshold_MtrRadpS_f32 TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	
TrqLOA_AbsVeIThreshold_MtrRadpS_f32 TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	
TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	
	-63.652092
	90.6142044
TrqLOA FallingRampRate UlspS f32	-905.111084
TrqLOA_raimingramprate_oispo_isz TrqLOA LatAccConversionFactor Uls f32	3.18578172
TrqLOA_LimOutput_MtrNm_f32	4.45736408
TrqLOA_EIIIOutput_MithIII_i32 TrqLOA_MaxScaleFactor_Uls_f32	0.556143165
TrqLOA_MinScaleFactor_Uls_f32	0.31155026
TrqLOA_NomDrvTrq_MtrNm_f32	8.80000019
TrqLOA_RisingRampRate_UlspS_f32	727.072083
TrqLOA_SteerRatio_Uls_f32	77.6913376
TrqLOA_Steenvalio_ois_isz TrqLOA UndersteerGrad RadpG f32	0.25
TrqLOA_UndersieerGrad_txadpG_i32	13.2761326
TrqLOA_Wileelbase_iw_i32 TrqLOA DiffGainY Uls u1p15[0][0]	10158
_TrqLOA_DiliGainY_Uis_u1p15[0][0] _TrqLOA_DiffGainY_Uis_u1p15[0][1]	12124
_TrqLOA_DiliGainY_Uis_u1p15[0][1] _TrqLOA_DiffGainY_Uis_u1p15[0][2]	12780
	13107
_TrqLOA_DiffGainY_Uls_u1p15[0][3] _TrqLOA_DiffGainY_Uls_u1p15[1][0]	10158
	12124
_TrqLOA_DiffGainY_Uls_u1p15[1][1]	12780
_TrqLOA_DiffGainY_Uls_u1p15[1][2]	13107
_TrqLOA_DiffGainY_Uls_u1p15[1][3]	
_TrqLOA_DiffGainY_Uls_u1p15[2][0]	10158
_TrqLOA_DiffGainY_Uls_u1p15[2][1]	12124
_TrqLOA_DiffGainY_Uls_u1p15[2][2]	12780
_TrqLOA_DiffGainY_Uls_u1p15[2][3]	13107
_TrqLOA_DiffGainY_Uls_u1p15[3][0]	10158
_TrqLOA_DiffGainY_Uls_u1p15[3][1]	12124
_TrqLOA_DiffGainY_Uls_u1p15[3][2]	12780
_TrqLOA_DiffGainY_Uls_u1p15[3][3]	13107
_TrqLOA_DiffGainY_Uls_u1p15[4][0]	10158
_TrqLOA_DiffGainY_Uls_u1p15[4][1]	12124
_TrqLOA_DiffGainY_Uls_u1p15[4][2]	12780
_TrqLOA_DiffGainY_Uls_u1p15[4][3]	13107
_TrqLOA_DiffGainY_Uls_u1p15[5][0]	10158
_TrqLOA_DiffGainY_Uls_u1p15[5][1]	12124
_TrqLOA_DiffGainY_Uls_u1p15[5][2]	12780
_TrqLOA_DiffGainY_Uls_u1p15[5][3]	13107
_TrqLOA_DiffGainY_UIs_u1p15[6][0] Report created by TESSY V3.2.5, report template V2.4	10158





Name	Input Value		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	12124		
t2_TrqLOA_DiffGainY_UIs_u1p15[6][2]	12780		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	13107		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	10158		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	12124		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	12780		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3] t_TrqLOA_DiffGainX_G_u2p14[0]	13107 5079		
t TrgLOA DiffGainX G u2p14[1]	6062		
t TrgLOA DiffGainX G u2p14[1]	6390		
t_TrqLOA_DiffGainX_G_u2p14[3]	6554		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	3520		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	3840		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	4160		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	4480		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	4800		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	6554		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	9830		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	13107		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	16384		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	19661		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0] t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	36864 37683		
t_trqLOA_LatAccGain_Y_MtrNmpG_u4p12[1] t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	40960		
t TrqLOA_LatAccGain_Y MtrNmpG_u4p12[3]	41779		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	45056		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	45875		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	49152		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	49971		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	12288		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	20480		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	22528		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	20070		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	25805		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	27443		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	32768 30720		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7] t_TrqLOA_X_Kph_u10p6[0]	6720		
t_TrqLOA_X_Kph_u10p6[1]	6784		
t_TrqLOA_X_Kph_u10p6[2]	6848		
t TrqLOA X Kph u10p6[3]	6912		
t_TrqLOA_X_Kph_u10p6[4]	6976		
t_TrqLOA_X_Kph_u10p6[5]	7040		
t_TrqLOA_X_Kph_u10p6[6]	7104		
t_TrqLOA_X_Kph_u10p6[7]	7168		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpS	· -	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelVali		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_Igc	target_TrqLOA_Per1_MotAgLoaM		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_l		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOAAvai target_TrqLOA_Per1_TrqLOACmd		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Perl_TrqLOACmd_intinim_isz target_Rte_Inst_Ap_TrqLOA.TrqLOA_Perl_VehicleSpeedValid_Cnt_lgc	target_TrqLOA_Per1_VehicleSpee		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpee		
target TrqLOA Per1 HandwheelAuthority Uls f32.value	1		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	3.79644442		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	0		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-318.864502		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-499.803558		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	99.3633728		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.872695804	0.872695804	•
TrqLOA_LatAccelSV_g_M_Str.SV_UIs_f32	0.179463327	0.179463327 ± 0.01	•
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	•
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	
Trail OA Trail Deced Cools Foots: 145 NA 500			
TrqLOA_TrqBasedScaleFactor_Uls_M_f32 target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0.31155026	0.31155026 ± 0.01	





Test Step 2.66 (Repeat Count = 1)	
Name	Input Value
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA
TrqLOA_LatAccScaleFactor_Uls_M_f32	1
TrgLOA LatAccelSV g M Str.SV Uls f32	0.25
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0445000008
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	6.8573308
TrqLOA_TloaCmd_MtrNm_M_f32	7
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-1.5
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	7.97358274
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	49.2437706
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-85.8224258
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	14.4680319
k_TrqLOA_FallingRampRate_UlspS_f32 k_TrqLOA_LatAccConversionFactor_Uls_f32	-621.608643 5.89980364
k TrqLOA LimOutput MtrNm f32	3.03662086
k_TrqLOA_MaxScaleFactor_Uls_f32	1
k_TrqLOA_MinScaleFactor_Uls_f32	0.78711319
k_TrqLOA_NomDrvTrq_MtrNm_f32	8.61790848
k_TrqLOA_RisingRampRate_UlspS_f32	432.887634
k_TrqLOA_SteerRatio_Uls_f32	60.0293274
k_TrqLOA_UndersteerGrad_RadpG_f32	0.25
k_TrqLOA_Wheelbase_M_f32	16.850811
t2_TrqLOA_DiffGainY_UIs_u1p15[0][0]	13763
t2_TrqLOA_DiffGainY_UIs_u1p15[0][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[0][2] t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	17039 19661
t2_TrqLOA_DiriGainY_Uls_u1p15[0][0]	13763
t2 TrgLOA DiffGainY Uls u1p15[1][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	13763
t2_TrqLOA_DiffGainY_UIs_u1p15[3][1]	15729 17039
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2] t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	19661
t2 TrqLOA DiffGainY Uls u1p15[4][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	17039
t2_TrqLOA_DiffGainY_UIs_u1p15[4][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	17039
t2_TrqLOA_DiffGainY_UIs_u1p15[5][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0] t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	13763 15729
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	17039
t2 TrqLOA DiffGainY Uls u1p15[6][3]	19661
t2_TrqLOA_DiffGainY_UIs_u1p15[7][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	19661
t_TrqLOA_DiffGainX_G_u2p14[0]	6881
t_TrqLOA_DiffGainX_G_u2p14[1]	7864
t_TrqLOA_DiffGainX_G_u2p14[2]	8520
t_TrqLOA_DiffGainX_G_u2p14[3] t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	9830 5120
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[u] t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	5440
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	5760
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	6080
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	6400
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	6554
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	16384
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	19661
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	53248 54067
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1] t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	56115
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	56934
_ ,	Trees.

TrqLOA_Per1



Name	Input Value			
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	58163			
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	60211			
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	60621			
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	61030			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	13107			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	21709			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	23347			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	20480	20480		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	26624			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	28262			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	33997			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	31539			
t_TrqLOA_X_Kph_u10p6[0]	7232			
t_TrqLOA_X_Kph_u10p6[1]	7296			
t_TrqLOA_X_Kph_u10p6[2]	7360			
t_TrqLOA_X_Kph_u10p6[3]	7424			
t_TrqLOA_X_Kph_u10p6[4]	7488			
t_TrqLOA_X_Kph_u10p6[5]	7552			
t_TrqLOA_X_Kph_u10p6[6]	7616			
t_TrqLOA_X_Kph_u10p6[7]	7680			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecSq_f32			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_Igc	target_TrqLOA_Per1_LatAccelValid_Cnt_lgc			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_HwDeg_f32			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc	target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpeed_Kph_f32			
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0.652412415			
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-7.17104101			
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0			
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1			
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-170.91478			
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	620.927979			
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	0			
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	0.74395752			
Name	Actual Value	Expected Value	Result	
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.828355134	0.828355134	•	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.238877073	0.238877073 ± 0.01	•	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	•	
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	•	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-0.634224713	-0.634224713 ± 0.01	•	
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	•	
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0	0 ± 0.01	•	

Name	Input Value	
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA	
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.506645322	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.30000012	
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0450000018	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-6.66807175	
TrqLOA_TloaCmd_MtrNm_M_f32	7.5	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-0.700403869	
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	7.45697355	
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	949.781738	
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-31.9425945	
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	32.4179688	
k_TrqLOA_FallingRampRate_UlspS_f32	-1000	
k_TrqLOA_LatAccConversionFactor_Uls_f32	2.98353696	
k_TrqLOA_LimOutput_MtrNm_f32	0.512901366	
k_TrqLOA_MaxScaleFactor_Uls_f32	1	
k_TrqLOA_MinScaleFactor_Uls_f32	0.483349204	
k_TrqLOA_NomDrvTrq_MtrNm_f32	4.99718761	
k_TrqLOA_RisingRampRate_UlspS_f32	498.645935	
k_TrqLOA_SteerRatio_Uls_f32	44.6010437	
k_TrqLOA_UndersteerGrad_RadpG_f32	0.208570436	
k_TrqLOA_Wheelbase_M_f32	7.8872447	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	17367	





Name	Input Value
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	19333
t2_TrqLOA_DiffGainY_UIs_u1p15[0][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	19333 21299
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2] t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	19333
t2_TrqLOA_DiffGainY_UIs_u1p15[4][2] t2_TrqLOA_DiffGainY_UIs_u1p15[4][3]	21299 26214
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	21299
t2_TrqLOA_DiffGainY_UIs_u1p15[6][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	26214
t_TrqLOA_DiffGainX_G_u2p14[0] t_TrqLOA_DiffGainX_G_u2p14[1]	8684 9667
t_TrqLOA_DiffGainX_G_u2p14[1]	10650
t_TrqLOA_DiffGainX_G_u2p14[3]	13107
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	6720
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	7040
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	7360
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	7680
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	8000
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	6554
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	16384
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4] t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	19661 4096
t TrqLOA_LatAccGain Y MtrNmpG u4p12[1]	4915
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	8192
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	9011
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	12288
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	13107
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	16384
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	17203
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	13926
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	22938
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	24166
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	20890
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	27443 29082
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5] t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	35226
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	32358
t_TrqLOA_X_Kph_u10p6[0]	7744
t_TrqLOA_X_Kph_u10p6[1]	7808
t_TrqLOA_X_Kph_u10p6[2]	7872
t_TrqLOA_X_Kph_u10p6[3]	7936
t_TrqLOA_X_Kph_u10p6[4]	8000
t_TrqLOA_X_Kph_u10p6[5]	8064
t_TrqLOA_X_Kph_u10p6[6]	8128
t_TrqLOA_X_Kph_u10p6[7]	8192
target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecSq_f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_Igc	target_TrqLOA_Per1_LatAccelValid_Cnt_lgc





Name	Input Value		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCR	F_MtrRadpS_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPo	s_HwDeg_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc	target_TrqLOA_Per1_TrqLOAA	vail_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOAC	md_MtrNm_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc	target_TrqLOA_Per1_VehicleSp	eedValid_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSp	peed_Kph_f32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	1		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	9.08804321		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	0		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	1422.61047		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	540.524841		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	191.820953		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.571481287	0.571481287	✓
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.326862931	0.326862901 ± 0.01	✓
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	✓
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	✓
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.296888053	0.296887994 ± 0.01	✓
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	1	1	~
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0	0 ± 0.01	~

Name	Input Value	
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA	
TrqLOA LatAccScaleFactor Uls M f32	1	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.349999994	
TrqLOA LatAccelSV g M Str.K Uls f32	0.0454999991	
TrqLOA ScaledMtrTrqCmd MtrNm M f32	1.49777293	
TrqLOA_TloaCmd_MtrNm_M_f32	8	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.295269966	
<pre><_TrqLOA_AbsAssistThreshold_MtrNm_f32</pre>	9.363307	
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	56.798336	
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-61.001091	
k TrgLOA DiffScaleRateLimiterRising UlspS f32	98.7214127	
k TrgLOA FallingRampRate UlspS f32	0	
k TrgLOA_r allingreampreace_oispo_isz	6.27368927	
k_TrqLOA_LimOutput_MtrNm_f32	8.22940922	
k_TrqLOA_LiniOdiput_Mithin_i32	0.735090733	
k_TrqLOA_MinScaleFactor_Uls_f32	1	
k_TrqLOA_NomDrvTrq_MtrNm_f32	0.917102754	
k_TrqLOA_RisingRampRate_UlspS_f32	186.693497	
k_TrqLOA_SteerRatio_Uls_f32	39.8788223	
k TrqLOA_Gleen\alio_Gls_i32	0.25	
k TrqLOA_UndersteerGrau_reaupg_loz	7.71528864	
t2 TrqLOA_WifeGinaSe_W_IS2 t2 TrqLOA DiffGainY Uls u1p15[0][0]	655	
t2_TrqLOA_DiliGainY_Uls_u1p15[0][0] t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	2458	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1] t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	4915	
	6226	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	655	
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	2458	
12_TrqLOA_DiffGainY_Uls_u1p15[1][1]	4915	
I2_TrqLOA_DiffGainY_UIs_u1p15[1][2]	6226	
I2_TrqLOA_DiffGainY_UIs_u1p15[1][3]	655	
12_TrqLOA_DiffGainY_Uls_u1p15[2][0]	2458	
t2_TrqLOA_DiffGainY_UIs_u1p15[2][1]	1 1	
12_TrqLOA_DiffGainY_UIs_u1p15[2][2]	4915	
I2_TrqLOA_DiffGainY_UIs_u1p15[2][3]	6226	
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	655	
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	2458	
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	4915	
2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	6226	
2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	655	
2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	2458	
2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	4915	
12_TrqLOA_DiffGainY_UIs_u1p15[4][3]	6226	
I2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	655	
I2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	2458	
12_TrqLOA_DiffGainY_Uls_u1p15[5][2]	4915	
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	6226	
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	655	

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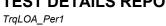




Name	Input Value		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	2458		
t2_TrqLOA_DiffGainY_UIs_u1p15[6][2]	4915		
t2_TrqLOA_DiffGainY_UIs_u1p15[6][3]	6226		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	655		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	2458		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	4915		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	6226		
t_TrqLOA_DiffGainX_G_u2p14[0]	10486		
t_TrqLOA_DiffGainX_G_u2p14[1]	11469		
t_TrqLOA_DiffGainX_G_u2p14[2]	12780		
t_TrqLOA_DiffGainX_G_u2p14[3]	16384 8320		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0] t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	8640		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	8960		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	9280		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	9600		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	6554		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	9830		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	13107		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	16384		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	19661		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	20480		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	21299		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	24576		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	25395		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	28672		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	29491		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	32768		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	33587		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	4096		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	8192		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	14336		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	15974		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	17613		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	19251		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	20480		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	22528		
t_TrqLOA_X_Kph_u10p6[0]	8256		
t_TrqLOA_X_Kph_u10p6[1]	8320		
t_TrqLOA_X_Kph_u10p6[2]	8384		
t_TrqLOA_X_Kph_u10p6[3]	8448 8512		
t_TrqLOA_X_Kph_u10p6[4]	8576		
t_TrqLOA_X_Kph_u10p6[5] t_TrqLOA_X_Kph_u10p6[6]	8640		
t_TrqLOA_X_Kph_u10p6[7]	0704		
target_Rte_Inst_Ap_TrqLOA_Per1_HandwheelAuthority_Uls_f32	target TrqLOA Per1 Handwhee	AlAuthority I lle f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_Mp	,	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target TrqLOA Per1 LatAccelVa		
target Rte Inst Ap TrqLOA.TrqLOA Per1 MotAgLoaMtgtnEn Cnt Igc	target TrqLOA Per1 MotAgLoal		
target Rte Inst Ap TrqLOA.TrqLOA Per1 MtrVelCRF MtrRadpS f32	target_TrqLOA_Per1_MtrVelCRF		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc	target TrqLOA Per1 TrqLOAAv		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACn	,	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc	target_TrqLOA_Per1_VehicleSpe	eedValid_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpe		
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0.415122271		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-1.57159448		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	282.348785		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-184.202667		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	156.933716		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.877997816	0.877997816	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.321418583	0.321418583 ± 0.01	•
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-0.480407476	-0.480407506 ± 0.01	
TrqLOA_TloaCmd_MtrNm_M_f32	-0.480407476	-0.480407506 ± 0.01	· · · · · · · · · · · · · · · · · · ·
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.668656945	0.668656945 ± 0.01	•
TrqLOA_TrqBasedScaleFactor_Uls_M_f32 target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0.668656945 0 -0.480407476	0.668656945 ± 0.01 0 -0.480407506 ± 0.01	



Input Value	
Rte_Inst_Ap_TrqLOA target_Rte_Inst_Ap_TrqLOA TrqLOA_LatAccScaleFactor_Uis_M_f32 0.450142264 TrqLOA_LatAccelSV_g_M_Str.SV_Uis_f32 0.400000006 TrqLOA_LatAccelSV_g_M_Str.SV_Uis_f32 0.0460000001 TrqLOA_LatAccelSV_g_M_Str.SV_Uis_f32 0.0460000001 TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32 -5.98117018 TrqLOA_TrqBasedScaleFactor_Uis_M_f32 -8 TrqLOA_bassisitThreshoid_MtrNm_f32 4.63728714 k_TrqLOA_bassisitThreshoid_MtrRadpS_f32 4.63728714 k_TrqLOA_bisselRateLimiterFalling_UispS_f32 49.6310883 k_TrqLOA_DiffScaleRateLimiterRising_UispS_f32 43.6310883 k_TrqLOA_latifScaleRateLimiterRising_UispS_f32 43.2887993 k_TrqLOA_latifScaleRateLimiterRising_UispS_f32 63.2887993 k_TrqLOA_LimOutput_MtrNm_f32 3.92292833 k_TrqLOA_LimOutput_MtrNm_f32 6.08133841 k_TrqLOA_MaxScaleFactor_Uis_f32 1 k_TrqLOA_MinScaleFactor_Uis_f32 1 k_TrqLOA_NinScaleFactor_Uis_f32 15.92160225 k_TrqLOA_NimScaleFactor_Uis_f32 15.8167191 k_TrqLOA_SteerRatio_Uis_f32 15.8167191 k_TrqLOA_UndersteerGrad_RadpG_f32 <th></th>	
TrqLOA_LatAccscaleFactor_Uls_M_f32 0.450142264 TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32 0.400000006 TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32 0.0460000001 TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32 -5.98117018 TrqLOA_TrqBasedScaleFactor_Uls_M_f32 -8 TrqLOA_TrqBasedScaleFactor_Uls_M_f32 2 k_TrqLOA_AbsAssistThreshold_MtrNm_f32 4.63728714 k_TrqLOA_AbsAssistThreshold_MtrRadpS_f32 500.544464 k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32 49.6310883 k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32 43.6310883 k_TrqLOA_IndifScaleRateLimiterRising_UlspS_f32 43.2887993 k_TrqLOA_LatAccConversionFactor_Uls_f32 3.92292833 k_TrqLOA_LimOutput_MtrNm_f32 6.08133841 k_TrqLOA_MaxScaleFactor_Uls_f32 1 k_TrqLOA_MinScaleFactor_Uls_f32 1 k_TrqLOA_NinScaleFactor_Uls_f32 5.92160225 k_TrqLOA_NonDrvTrq_MtrNm_f32 5.92160225 k_TrqLOA_SteerRatio_Uls_f32 75.8167191 k_TrqLOA_UndersteerGrad_RadpG_f32 0.25 k_TrqLOA_UnffGainy_Uls_up1915[0][1] 8192 2_TrqLOA_DiffGainy_Uls_up1915[0][1] 8192	
TrqLOA_LatAccelSV_g_M_Str.SV_UIs_f32 0.40000006 TrqLOA_LatAccelSV_g_M_Str.K_UIs_f32 0.0460000001 TrqLOA_ScaledMtTrqCmd_MtrNm_M_f32 -5.98117018 TrqLOA_TloaCmd_MtrNm_M_f32 -8 TrqLOA_TrqBasedScaleFactor_UIs_M_f32 2 k_TrqLOA_AbsAssistThreshold_MtrNm_f32 4.63728714 k_TrqLOA_AbsVelThreshold_MtrRadpS_f32 500.544464 k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32 49.6310883 k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32 49.6310883 k_TrqLOA_FallingRampRate_UlspS_f32 500.544464 k_TrqLOA_FallingRampRate_UlspS_f32 500.5 k_TrqLOA_LatAccConversionFactor_Uls_f32 3.92292833 k_TrqLOA_LimOutput_MtrNm_f32 6.08133841 k_TrqLOA_MinScaleFactor_Uls_f32 1 k_TrqLOA_MinScaleFactor_Uls_f32 0.504637361 k_TrqLOA_NinScaleFactor_Uls_f32 5.92160225 k_TrqLOA_NomDrvTrq_MtrNm_f32 5.92160225 k_TrqLOA_NomDrvTrq_MtrNm_f32 5.92160225 k_TrqLOA_UndersteerGrad_RadpG_f32 0.25 k_TrqLOA_UndersteerGrad_RadpG_f32 0.25 k_TrqLOA_DiffGainy_Uls_u1p15[0][0] 6554	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32 -5.98117018 TrqLOA_TloaCmd_MtrNm_M_f32 -8 TrqLOA_TrqBasedScaleFactor_Uls_M_f32 2 k_TrqLOA_AbsAssistThreshold_MtrNm_f32 4.63728714 k_TrqLOA_DbiffscaleRateLimiterRadpS_f32 500.544464 k_TrqLOA_DbiffscaleRateLimiterRising_UlspS_f32 49.6310883 k_TrqLOA_DiffscaleRateLimiterRising_UlspS_f32 63.2887993 k_TrqLOA_FallingRampRate_UlspS_f32 500.5 k_TrqLOA_LatAccConversionFactor_Uls_f32 3.92292833 k_TrqLOA_LimOutput_MtrNm_f32 6.08133841 k_TrqLOA_MinScaleFactor_Uls_f32 1 k_TrqLOA_MinScaleFactor_Uls_f32 0.504637361 k_TrqLOA_NomDrvTrq_MtrNm_f32 5.92160225 k_TrqLOA_NomDrvTrq_MtrNm_f32 5.92160225 k_TrqLOA_SteerRatio_Uls_f32 152.770966 k_TrqLOA_UndersteerGrad_RadpG_f32 0.25 k_TrqLOA_UndersteerGrad_RadpG_f32 0.25 k_TrqLOA_DiffGainry_Uls_u1p15[0][0] 6554 12_TrqLOA_DiffGainry_Uls_u1p15[0][1] 8192 12_TrqLOA_DiffGainry_Uls_u1p15[0][1] 8192 12_TrqLOA_DiffGainry_Uls_u1p15[0][2] 9503 12_TrqLOA_DiffGainry_Uls_u1p15[0][3] 9830 <td></td>	
TrqLOA_TloaCmd_MtrNm_M_f32 -8 TrqLOA_TrqBasedScaleFactor_Uls_M_f32 2 k_TrqLOA_AbssxistThreshold_MtrNm_f32 4.63728714 k_TrqLOA_DisfYscaleRateLimiterFalling_UlspS_f32 500.544464 k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32 49.6310883 k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32 63.2887993 k_TrqLOA_FallingRampRate_UlspS_f32 500.5 k_TrqLOA_LatAccConversionFactor_Uls_f32 3.92292833 k_TrqLOA_LimOutput_MtrNm_f32 6.08133841 k_TrqLOA_MaxScaleFactor_Uls_f32 1 k_TrqLOA_MinScaleFactor_Uls_f32 1.592160225 k_TrqLOA_NomDrvTrq_MtrNm_f32 5.92160225 k_TrqLOA_RisingRampRate_UlspS_f32 152.770966 k_TrqLOA_UndersteerGrad_RadpG_f32 0.25 k_TrqLOA_UndersteerGrad_RadpG_f32 0.25 k_TrqLOA_UndersteerGrad_RadpG_f32 11.2628651 t_TrqLOA_DiffGainy_Uls_u1p15[0][0] 6554 t_TrqLOA_DiffGainy_Uls_u1p15[0][1] 8192 t_TrqLOA_DiffGainy_Uls_u1p15[0][2] 9503 t_TrqLOA_DiffGainy_Uls_u1p15[0][3] 9830	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32 2 k_TrqLOA_AbsAssistThreshold_MtrNm_f32 4.63728714 k_TrqLOA_AbsVelThreshold_MtrRadpS_f32 500.544464 k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32 49.6310883 k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32 63.2887993 k_TrqLOA_FallingRampRate_UlspS_f32 500.5 k_TrqLOA_LatrCcConversionFactor_Uls_f32 3.92292833 k_TrqLOA_LimOutput_MtrNm_f32 6.08133841 k_TrqLOA_MinoCaleFactor_Uls_f32 1 k_TrqLOA_MinoCaleFactor_Uls_f32 1 k_TrqLOA_NomDrvTrq_MtrNm_f32 5.92160225 k_TrqLOA_RisingRampRate_UlspS_f32 152,770966 k_TrqLOA_SteerRatio_Uls_f32 75.8167191 k_TrqLOA_UndersteerGrad_RadpG_f32 0.25 k_TrqLOA_UndersteerGrad_RadpG_f32 0.25 k_TrqLOA_DiffGainY_Uls_u1p15[0][0] 6554 t2_TrqLOA_DiffGainY_Uls_u1p15[0][1] 8192 t2_TrqLOA_DiffGainY_Uls_u1p15[0][2] 9503 t2_TrqLOA_DiffGainY_Uls_u1p15[0][3] 9830	
k_TrqLOA_AbsAssistThreshold_MtrNm_f32 4.63728714 k_TrqLOA_AbsVelThreshold_MtrRadpS_f32 500.544464 k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32 49.6310883 k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32 63.2887993 k_TrqLOA_FallingRampRate_UlspS_f32 500.5 k_TrqLOA_LatAccConversionFactor_Uls_f32 3.92292833 k_TrqLOA_LimOutput_MtrNm_f32 6.08133841 k_TrqLOA_MaxScaleFactor_Uls_f32 1 k_TrqLOA_MinScaleFactor_Uls_f32 0.504637361 k_TrqLOA_NomDrvTrq_MtrNm_f32 5.92160225 k_TrqLOA_NomDrvTrq_MtrNm_f32 5.92160225 k_TrqLOA_SteerRatio_Uls_f32 75.8167191 k_TrqLOA_UndersteerGrad_RadpG_f32 0.25 k_TrqLOA_Wheelbase_M_f32 11.2628651 t2_TrqLOA_DiffGainY_Uls_u1p15[0][0] 6554 t2_TrqLOA_DiffGainY_Uls_u1p15[0][1] 8192 t2_TrqLOA_DiffGainY_Uls_u1p15[0][2] 9503 t2_TrqLOA_DiffGainY_Uls_u1p15[0][3] 9830	
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32 500.544464 k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32 49.6310883 k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32 63.2887993 k_TrqLOA_FallingRampRate_UlspS_f32 -500.5 k_TrqLOA_LatAccConversionFactor_Uls_f32 3.92292833 k_TrqLOA_LimOutput_MtrNm_f32 6.08133841 k_TrqLOA_MaxScaleFactor_Uls_f32 1 k_TrqLOA_MinScaleFactor_Uls_f32 0.504637361 k_TrqLOA_MomDrvTrq_MtrNm_f32 5.92160225 k_TrqLOA_RisingRampRate_UlspS_f32 152.770966 k_TrqLOA_SteerRatio_Uls_f32 75.8167191 k_TrqLOA_UndersteerGrad_RadpG_f32 0.25 k_TrqLOA_Wheelbase_M_f32 11.2628651 t2_TrqLOA_DiffGainY_Uls_u1p15[0][0] 6554 t2_TrqLOA_DiffGainY_Uls_u1p15[0][1] 8192 t2_TrqLOA_DiffGainY_Uls_u1p15[0][2] 9503 t2_TrqLOA_DiffGainY_Uls_u1p15[0][3] 9830	
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32 49.6310883 k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32 63.2887993 k_TrqLOA_FallingRampRate_UlspS_f32 -500.5 k_TrqLOA_LimOutput_MtrNm_f32 3.92292833 k_TrqLOA_LimOutput_MtrNm_f32 6.08133841 k_TrqLOA_MinScaleFactor_Uls_f32 1 k_TrqLOA_MinScaleFactor_Uls_f32 0.504637361 k_TrqLOA_NomDrvTrq_MtrNm_f32 5.92160225 k_TrqLOA_RisingRampRate_UlspS_f32 152.770966 k_TrqLOA_SteerRatio_Uls_f32 75.8167191 k_TrqLOA_UndersteerGrad_RadpG_f32 0.25 k_TrqLOA_Wheelbase_M_f32 11.2628651 t2_TrqLOA_DiffGainy_Uls_u1p15[0][0] 6554 t2_TrqLOA_DiffGainy_Uls_u1p15[0][1] 8192 t2_TrqLOA_DiffGainy_Uls_u1p15[0][2] 9503 t2_TrqLOA_DiffGainy_Uls_u1p15[0][3] 9830	
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32 63.2887993 k_TrqLOA_FallingRampRate_UlspS_f32 -500.5 k_TrqLOA_LatAccConversionFactor_Uls_f32 3.92292833 k_TrqLOA_LimOutput_MtrNm_f32 6.08133841 k_TrqLOA_MaxScaleFactor_Uls_f32 1 k_TrqLOA_MinScaleFactor_Uls_f32 0.504637361 k_TrqLOA_NomDrvTrq_MtrNm_f32 5.92160225 k_TrqLOA_RisingRampRate_UlspS_f32 152.770966 k_TrqLOA_SteerRatio_Uls_f32 75.8167191 k_TrqLOA_UndersteerGrad_RadpG_f32 0.25 k_TrqLOA_Wheelbase_M_f32 11.2628651 t2_TrqLOA_DiffGainy_Uls_u1p15[0][0] 6554 t2_TrqLOA_DiffGainy_Uls_u1p15[0][1] 8192 t2_TrqLOA_DiffGainy_Uls_u1p15[0][2] 9503 t2_TrqLOA_DiffGainy_Uls_u1p15[0][3] 9830	
k_TrqLOA_FallingRampRate_UlspS_f32 -500.5 k_TrqLOA_LatAccConversionFactor_Uls_f32 3.92292833 k_TrqLOA_LimOutput_MtrNm_f32 6.08133841 k_TrqLOA_MaxScaleFactor_Uls_f32 1 k_TrqLOA_MinScaleFactor_Uls_f32 0.504637361 k_TrqLOA_NomDrvTrq_MtrNm_f32 5.92160225 k_TrqLOA_RisingRampRate_UlspS_f32 152.770966 k_TrqLOA_SteerRatio_Uls_f32 75.8167191 k_TrqLOA_UndersteerGrad_RadpG_f32 0.25 k_TrqLOA_Wheelbase_M_f32 11.2628651 t2_TrqLOA_DiffGainY_Uls_u1p15[0][0] 6554 t2_TrqLOA_DiffGainY_Uls_u1p15[0][1] 8192 t2_TrqLOA_DiffGainY_Uls_u1p15[0][2] 9503 t2_TrqLOA_DiffGainY_Uls_u1p15[0][3] 9830	
k_TrqLOA_LatAccConversionFactor_Uls_f32 3.92292833 k_TrqLOA_LimOutput_MtrNm_f32 6.08133841 k_TrqLOA_MaxScaleFactor_Uls_f32 1 k_TrqLOA_MinScaleFactor_Uls_f32 0.504637361 k_TrqLOA_NomDrvTrq_MtrNm_f32 5.92160225 k_TrqLOA_RisingRampRate_UlspS_f32 152.770966 k_TrqLOA_SteerRatio_Uls_f32 75.8167191 k_TrqLOA_UndersteerGrad_RadpG_f32 0.25 k_TrqLOA_Wheelbase_M_f32 11.2628651 t2_TrqLOA_DiffGainY_Uls_u1p15[0][0] 6554 t2_TrqLOA_DiffGainY_Uls_u1p15[0][1] 8192 t2_TrqLOA_DiffGainY_Uls_u1p15[0][2] 9503 t2_TrqLOA_DiffGainY_Uls_u1p15[0][3] 9830	
k_TrqLOA_LimOutput_MtrNm_f32 6.08133841 k_TrqLOA_MaxScaleFactor_Uls_f32 1 k_TrqLOA_MinScaleFactor_Uls_f32 0.504637361 k_TrqLOA_NomDrvTrq_MtrNm_f32 5.92160225 k_TrqLOA_RisingRampRate_UlspS_f32 152.770966 k_TrqLOA_SteerRatio_Uls_f32 75.8167191 k_TrqLOA_UndersteerGrad_RadpG_f32 0.25 k_TrqLOA_Wheelbase_M_f32 11.2628651 t2_TrqLOA_DiffGainY_Uls_u1p15[0][0] 6554 t2_TrqLOA_DiffGainY_Uls_u1p15[0][1] 8192 t2_TrqLOA_DiffGainY_Uls_u1p15[0][2] 9503 t2_TrqLOA_DiffGainY_Uls_u1p15[0][3] 9830	
k_TrqLOA_MaxScaleFactor_Uls_f32 1 k_TrqLOA_MinScaleFactor_Uls_f32 0.504637361 k_TrqLOA_NomDrvTrq_MtrNm_f32 5.92160225 k_TrqLOA_RisingRampRate_UlspS_f32 152.770966 k_TrqLOA_SteerRatio_Uls_f32 75.8167191 k_TrqLOA_UndersteerGrad_RadpG_f32 0.25 k_TrqLOA_Wheelbase_M_f32 11.2628651 t2_TrqLOA_DiffGainY_Uls_u1p15[0][0] 6554 t2_TrqLOA_DiffGainY_Uls_u1p15[0][1] 8192 t2_TrqLOA_DiffGainY_Uls_u1p15[0][2] 9503 t2_TrqLOA_DiffGainY_Uls_u1p15[0][3] 9830	
k_TrqLOA_MinScaleFactor_UIs_f32 0.504637361 k_TrqLOA_NomDrvTrq_MtrNm_f32 5.92160225 k_TrqLOA_RisingRampRate_UIspS_f32 152.770966 k_TrqLOA_SteerRatio_UIs_f32 75.8167191 k_TrqLOA_UndersteerGrad_RadpG_f32 0.25 k_TrqLOA_Wheelbase_M_f32 11.2628651 t2_TrqLOA_DiffGainY_UIs_u1p15[0][0] 6554 t2_TrqLOA_DiffGainY_UIs_u1p15[0][1] 8192 t2_TrqLOA_DiffGainY_UIs_u1p15[0][2] 9503 t2_TrqLOA_DiffGainY_UIs_u1p15[0][3] 9830	
k_TrqLOA_RisingRampRate_UlspS_f32 152.770966 k_TrqLOA_SteerRatio_Uls_f32 75.8167191 k_TrqLOA_UndersteerGrad_RadpG_f32 0.25 k_TrqLOA_Wheelbase_M_f32 11.2628651 t2_TrqLOA_DiffGainY_Uls_u1p15[0][0] 6554 t2_TrqLOA_DiffGainY_Uls_u1p15[0][1] 8192 t2_TrqLOA_DiffGainY_Uls_u1p15[0][2] 9503 t2_TrqLOA_DiffGainY_Uls_u1p15[0][3] 9830	
k_TrqLOA_SteerRatio_UIs_f32 75.8167191 k_TrqLOA_UndersteerGrad_RadpG_f32 0.25 k_TrqLOA_Wheelbase_M_f32 11.2628651 t2_TrqLOA_DiffGainY_UIs_u1p15[0][0] 6554 t2_TrqLOA_DiffGainY_UIs_u1p15[0][1] 8192 t2_TrqLOA_DiffGainY_UIs_u1p15[0][2] 9503 t2_TrqLOA_DiffGainY_UIs_u1p15[0][3] 9830	
k_TrqLOA_UndersteerGrad_RadpG_f32 0.25 k_TrqLOA_Wheelbase_M_f32 11.2628651 t2_TrqLOA_DiffGainY_Uls_u1p15[0][0] 6554 t2_TrqLOA_DiffGainY_Uls_u1p15[0][1] 8192 t2_TrqLOA_DiffGainY_Uls_u1p15[0][2] 9503 t2_TrqLOA_DiffGainY_Uls_u1p15[0][3] 9830	
k_TrqLOA_Wheelbase_M_32 11.2628651 t2_TrqLOA_DiffGainY_Uls_u1p15[0][0] 6554 t2_TrqLOA_DiffGainY_Uls_u1p15[0][1] 8192 t2_TrqLOA_DiffGainY_Uls_u1p15[0][2] 9503 t2_TrqLOA_DiffGainY_Uls_u1p15[0][3] 9830	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0] 6554 t2_TrqLOA_DiffGainY_Uls_u1p15[0][1] 8192 t2_TrqLOA_DiffGainY_Uls_u1p15[0][2] 9503 t2_TrqLOA_DiffGainY_Uls_u1p15[0][3] 9830	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1] 8192 t2_TrqLOA_DiffGainY_Uls_u1p15[0][2] 9503 t2_TrqLOA_DiffGainY_Uls_u1p15[0][3] 9830	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][2] 9503 t2_TrqLOA_DiffGainY_Uls_u1p15[0][3] 9830	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3] 9830	
t2 TrqLOA DiffGainY Uls u1p15[1][1] 8192	
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2] 9503	
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3] 9830	
t2_TrqLOA_DiffGainY_UIs_u1p15[2][0] 6554	
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1] 8192	
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2] 9503	
t2_TrqLOA_DiffGainY_UIs_u1p15[2][3] 9830	
12_TrqLOA_DiffGainY_Uls_u1p15[3][0] 6554	
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1] 8192	
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2] 9503	
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3] 9830 t2_TrqLOA_DiffGainY_Uls_u1p15[4][0] 6554	
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0] 6554 t2_TrqLOA_DiffGainY_Uls_u1p15[4][1] 8192	
t2_TrqLOA_DiffGainY_Uls_u1p15[4][2] 9503	
t2 TrqLOA DiffGainY Uls u1p15[4][3] 9830	
t2_TrqLOA_DiffGainY_UIs_u1p15[5][0] 6554	
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1] 8192	
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2] 9503	
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3] 9830	
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0] 6554	
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1] 8192	
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2] 9503	
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3] 9830	
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0] 6554 t2_TrqLOA_DiffGainY_Uls_u1p15[7][1] 8192	
tz_rrqLOA_DiffGainY_Uls_u1p15[7][1] 8192 t2_TrqLOA_DiffGainY_Uls_u1p15[7][2] 9503	
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2] 9830	
t_TrqLOA_DiffGainX_G_u2p14[0] 12288	
t_TrqLOA_DiffGainX_G_u2p14[1] 13271	
t_TrqLOA_DiffGainX_G_u2p14[2] 14909	
t_TrqLOA_DiffGainX_G_u2p14[3] 19661	
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0] 9920	
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1] 10240	
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2] 10560	
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3] 10880	
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4] 11200	
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0] 6554 t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1] 9830	
t_trqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1] 9830 t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2] 13107	
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3] 16384	
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4] 19661	
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0] 36864	
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1] 37683	
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2] 40960	
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3] 41779	





Name	Input Value		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	45056		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	45875		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	49152		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	49971		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	4915		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	9421		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	15155		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	16384		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	18432		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	20070		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	21709		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	23347		
t_TrqLOA_X_Kph_u10p6[0]	8768		
t_TrqLOA_X_Kph_u10p6[1]	8832		
t_TrqLOA_X_Kph_u10p6[2]	8896		
t_TrqLOA_X_Kph_u10p6[3]	8960		
t_TrqLOA_X_Kph_u10p6[4]	9024		
t_TrqLOA_X_Kph_u10p6[5]	9088		
t_TrqLOA_X_Kph_u10p6[6]	9152		
t_TrqLOA_X_Kph_u10p6[7]	9216		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecSq_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelValid_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_HwDeg_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACm	d_MtrNm_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc	target_TrqLOA_Per1_VehicleSpe	edValid_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpe	ed_Kph_f32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0.37202704		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-6.50802565		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-466.120972		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	260.477936		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	22.5641785		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.350880086	0.350880086	•
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.382500827	0.382500827 ± 0.01	•
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	•
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	•
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.998999953	1 ± 0.01	•
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	•
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0	0 ± 0.01	

Name	Input Value	
Rte Inst Ap TrqLOA	target Rte Inst Ap TrgLOA	
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.352974415	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.550000012	
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0474999994	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-2.62539387	
TrqLOA_TloaCmd_MtrNm_M_f32	-7.5	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-0.729070425	
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	6.7219696	
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	692.47583	
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-19.6143894	
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	29.4690685	
k_TrqLOA_FallingRampRate_UlspS_f32	-981.129272	
k_TrqLOA_LatAccConversionFactor_Uls_f32	5.25146341	
k_TrqLOA_LimOutput_MtrNm_f32	8.80000019	
k_TrqLOA_MaxScaleFactor_Uls_f32	1	
k_TrqLOA_MinScaleFactor_Uls_f32	1	
k_TrqLOA_NomDrvTrq_MtrNm_f32	7.21190357	
k_TrqLOA_RisingRampRate_UlspS_f32	0	
k_TrqLOA_SteerRatio_Uls_f32	96.7189789	
k_TrqLOA_UndersteerGrad_RadpG_f32	0.25	
k_TrqLOA_Wheelbase_M_f32	5.73355579	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	10158	





Name	Input Value
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	12124
t2_TrqLOA_DiffGainY_UIs_u1p15[0][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	12124 12780
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2] t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	13107
t2_TrqLOA_DiffGainY_UIs_u1p15[4][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[4][2] t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	12780 13107
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	10158
t2 TrqLOA DiffGainY Uls u1p15[5][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	12124
t2_TrqLOA_DiffGainY_UIs_u1p15[7][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	13107
t_TrqLOA_DiffGainX_G_u2p14[0] t_TrqLOA_DiffGainX_G_u2p14[1]	14090 15073
t_TrqLOA_DiffGainX_G_u2p14[1]	17039
t_TrqLOA_DiffGainX_G_u2p14[3]	22938
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	11520
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	11840
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	12160
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	12480
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	12800
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	16384
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	19661
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4] t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	22938 53248
t TrqLOA_LatAccGain_Y MtrNmpG_u4p12[1]	54067
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	56115
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	56934
t TrqLOA LatAccGain Y MtrNmpG u4p12[4]	58163
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	60211
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	60621
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	61030
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	5734
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	10650
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	15974
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	16794
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	19251 20890
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5] t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	20890
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	24166
t_TrqLOA_X_Kph_u10p6[0]	9280
t_TrqLOA_X_Kph_u10p6[1]	9344
t_TrqLOA_X_Kph_u10p6[2]	9408
t_TrqLOA_X_Kph_u10p6[3]	9472
t_TrqLOA_X_Kph_u10p6[4]	9536
t_TrqLOA_X_Kph_u10p6[5]	9600
t_TrqLOA_X_Kph_u10p6[6]	9664
t_TrqLOA_X_Kph_u10p6[7]	9728
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32
	TOTAL TRAILIN HOTEL OTROO BENCOCK #27
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32 target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_Igc	target_TrqLOA_Per1_LatAcc_MpSecSq_f32 target_TrqLOA_Per1_LatAccelValid_Cnt_lgc

 $target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value$





Name	Input Value		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCl	RF_MtrRadpS_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPo	os_HwDeg_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc	target_TrqLOA_Per1_TrqLOAA	Avail_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOA0	Cmd_MtrNm_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleS	peedValid_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleS	peed_Kph_f32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0.915942907		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-4.80525494		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	0		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-1150.30505		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-733.556641		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	252.386963		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.399993896	0.399993896	✓
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.499824852	0.499824852 ± 0.01	✓
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-0	0 ± 0.01	✓
TrqLOA_TloaCmd_MtrNm_M_f32	-0	0 ± 0.01	✓
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-0.729070425	-0.729070425 ± 0.01	✓
target TroLOA Per1 TroLOAAvail Cnt loc.value	0	0	✓

-0

0 ± 0.01

Name	Input Value
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA
TrqLOA LatAccScaleFactor Uls M f32	1
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.600000024
TrqLOA LatAccelSV g M Str.K Uls f32	0.0480000004
TrqLOA ScaledMtrTrqCmd MtrNm M f32	-7.12119102
TrqLOA_TloaCmd_MtrNm_M_f32	-7
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	2
<pre><_TrqLOA_AbsAssistThreshold_MtrNm_f32</pre>	10
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	992.637268
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-38.2450409
TrgLOA DiffScaleRateLimiterRising UlspS f32	17.5841713
k TrqLOA FallingRampRate UlspS f32	-548.188599
k TrgLOA LatAccConversionFactor Uls f32	4.4588685
k_TrqLOA_LimOutput_MtrNm_f32	3.571872
k_TrqLOA_LiniOdiput_Mithin_i32	1
k_TrqLOA_MinScaleFactor_Uls_f32	1
k_TrqLOA_NomDrvTrq_MtrNm_f32	7.36693668
k_TrqLOA_RisingRampRate_UlspS_f32	1000
k_TrqLOA_SteerRatio_Uls_f32	49.0706635
k TrqLOA_Gleen\alio_Gls_i32	0.25
k TrqLOA_UndersteerGrau_reaupg_loz	1.79803026
12 TrqLOA_WifeGinSt Uls u1p15[0][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0] t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	17039
	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	13763
12_TrqLOA_DiffGainY_Uls_u1p15[1][0]	15729
12_TrqLOA_DiffGainY_Uls_u1p15[1][1]	17039
2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	19661
I2_TrqLOA_DiffGainY_UIs_u1p15[1][3]	
2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	13763
2_TrqLOA_DiffGainY_UIs_u1p15[2][1]	15729
2_TrqLOA_DiffGainY_UIs_u1p15[2][2]	17039
2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	13763
2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	17039
2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	19661
2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	13763
2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	15729
2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	17039
2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	19661
I2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	13763
I2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	15729
12_TrqLOA_DiffGainY_Uls_u1p15[5][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	13763

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Name	Input Value		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	15729		
t2_TrqLOA_DiffGainY_UIs_u1p15[6][2]	17039		
t2_TrqLOA_DiffGainY_UIs_u1p15[6][3]	19661		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	13763		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	15729		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	17039		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	19661		
t_TrqLOA_DiffGainX_G_u2p14[0]	15892		
t_TrqLOA_DiffGainX_G_u2p14[1]	16876		
t_TrqLOA_DiffGainX_G_u2p14[2]	19169		
t_TrqLOA_DiffGainX_G_u2p14[3]	26214		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	13120		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	13440		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	13760		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	14080		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	14400		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	9830		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	13107		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	16384		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	19661		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	22938		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	4096		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	4915		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	8192		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	9011		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	12288		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	13107		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	16384		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	17203		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	6554		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	11878		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	16794		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	17203		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	20070		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	21709		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	24166		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	24986		
t_TrqLOA_X_Kph_u10p6[0]	9792		
t_TrqLOA_X_Kph_u10p6[1]	9856		
t_TrqLOA_X_Kph_u10p6[2]	9920 9984		
t_TrqLOA_X_Kph_u10p6[3]	10048		
t_TrqLOA_X_Kph_u10p6[4]	10112		
t_TrqLOA_X_Kph_u10p6[5]	10176		
t_TrqLOA_X_Kph_u10p6[6]	10240		
t_TrqLOA_X_Kph_u10p6[7]	target TrqLOA Per1 HandwheelAu	thority I llo f22	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32 target_Rte_Inst_Ap_TrqLOA.TrqLOA Per1_LatAcc MpSecSq f32		,	
target Rte Inst Ap TrqLOA.TrqLOA Perl LatAccelValid Cnt lqc	target_TrqLOA_Per1_LatAcc_MpSe target TrqLOA Per1_LatAccelValid		
target Rte Inst Ap TrqLOA.TrqLOA Per1 MotAgLoaMtgtnEn Cnt Igc			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoamtgtnEn_Cnt_lgc target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MotAgLoaMtg target_TrqLOA_Per1_MtrVelCRF_M		
target Rte Inst Ap TrqLOA.TrqLOA Per1 RelHwPos HwDeg f32	target_TrqLOA_Per1_RelHwPos_Hv	. –	
target Rte Inst Ap TrqLOA.TrqLOA Per1 TrqLOAAvail Cnt Igc	target_TrqLOA_Per1_TrqLOAAvail_		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_intrivin_isz target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc	target_TrqLOA_Per1_VehicleSpeed		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target TrqLOA_Per1_VehicleSpeed		
target TrqLOA Per1 HandwheelAuthority Uls f32.value	1	poz	
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	1.14730155		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-762.080994		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	939.793945		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc.value	0		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	434.329437		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_UIs_M_f32	0.923509896	0.923509896	result
TrqLOA LatAccelSV g M Str.SV UIs f32	0.635068953	0.635068953 ± 0.01	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0.633068953	0.035006953 ± 0.01	
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	_
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	1	1 ± 0.01	
target TrqLOA Per1 TrqLOAAvail Cnt Igc.value	0	0	
tangotqco/t_rorr_mqco/vvaii_onit_igo.vaiuc		·	

0

0 ± 0.01

target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value





Test Step 2.72 (Repeat Count = 1)	Invest Value
Name	Input Value
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.482875586
TrqLOA_LatAccelSV_g_M_Str.SV_UIs_f32	0.649999976 0.0485000014
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	-5.76398754
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32 TrqLOA_TloaCmd_MtrNm_M_f32	-0.7039070 4 -6.5
TrqLOA_Troacrid_MitNif_W_i32 TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.95558393
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	2.40372181
k TrqLOA AbsVelThreshold MtrRadpS f32	892.451904
k TrqLOA DiffScaleRateLimiterFalling UlspS f32	-25.6837158
k TrqLOA DiffScaleRateLimiterRising UlspS f32	40.0898781
k_TrqLOA_FallingRampRate_UlspS_f32	-309.647156
k_TrqLOA_LatAccConversionFactor_Uls_f32	1.89426363
k_TrqLOA_LimOutput_MtrNm_f32	4.30061722
k_TrqLOA_MaxScaleFactor_Uls_f32	0.480428934
k_TrqLOA_MinScaleFactor_Uls_f32	1
k_TrqLOA_NomDrvTrq_MtrNm_f32	7.92765474
k_TrqLOA_RisingRampRate_UlspS_f32	922.5
k_TrqLOA_SteerRatio_Uls_f32	70.3542328
k_TrqLOA_UndersteerGrad_RadpG_f32	0.25
k_TrqLOA_Wheelbase_M_f32	18.7433701
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	19333 21299
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3] t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	17367
t2_TrqLOA_DiliGainY_Uls_u1p15[2][0]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	19333
t2_TrqLOA_DiffGainY_UIs_u1p15[3][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	26214
t_TrqLOA_DiffGainX_G_u2p14[0]	17695 18678
t_TrqLOA_DiffGainX_G_u2p14[1] t_TrqLOA_DiffGainX_G_u2p14[2]	18678
t_TrqLOA_DiffGainX_G_u2p14[2] t_TrqLOA_DiffGainX_G_u2p14[3]	29491
t_TrqLOA_biiioaiiio_G_u2p14[3] t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	14720
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	15040
t_TrqLOA_highSpeedTrqBlend_X_Kph_u10p6[2]	15360
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	15680
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	16000
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	16384
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	19661
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	22938
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	20480
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	21299
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	24576
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	25395





Name	Input Value		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	28672		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	29491		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	32768		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	33587		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	7373		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	13107		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	17613		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	17613		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	20890		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	22528		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	25395		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	25805		
t_TrqLOA_X_Kph_u10p6[0]	10304		
t_TrqLOA_X_Kph_u10p6[1]	10368		
t_TrqLOA_X_Kph_u10p6[2]	10432		
t_TrqLOA_X_Kph_u10p6[3]	10496		
t_TrqLOA_X_Kph_u10p6[4]	10560		
t_TrqLOA_X_Kph_u10p6[5]	10624		
t_TrqLOA_X_Kph_u10p6[6]	10688		
t_TrqLOA_X_Kph_u10p6[7]	10752		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecSq_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_Igc	target_TrqLOA_Per1_LatAccelValid_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_HwDeg_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc	target_TrqLOA_Per1_VehicleSp	peedValid_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSp	peed_Kph_f32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0.522736549		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	1.15578187		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	0		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	1699.8855		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-644.580872		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	469.095764		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.529998779	0.529998779	•
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.588741004	0.588741064 ± 0.01	•
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	•
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	•
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	1	1 ± 0.01	•
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	•
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0	0 ± 0.01	

Name	Input Value	
Rte Inst Ap TrqLOA	target Rte Inst Ap TrqLOA	
TrgLOA LatAccScaleFactor Uls M f32	0.774724126	
TrqLOA LatAccelSV g M Str.SV Uls f32	0.100000001	
TrqLOA LatAccelSV g M Str.K Uls f32	0.0489999987	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-7.1575346	
TrqLOA_TloaCmd_MtrNm_M_f32	-6	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	2	
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	3.2461462	
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	481.298553	
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-65.9383087	
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	81.4572144	
k_TrqLOA_FallingRampRate_UlspS_f32	-945.174316	
k_TrqLOA_LatAccConversionFactor_Uls_f32	10	
k_TrqLOA_LimOutput_MtrNm_f32	5.79835415	
k_TrqLOA_MaxScaleFactor_Uls_f32	1	
k_TrqLOA_MinScaleFactor_Uls_f32	0.219910979	
k_TrqLOA_NomDrvTrq_MtrNm_f32	5.00554752	
k_TrqLOA_RisingRampRate_UlspS_f32	222.336975	
k_TrqLOA_SteerRatio_Uls_f32	90.237648	
k_TrqLOA_UndersteerGrad_RadpG_f32	0.25	
k_TrqLOA_Wheelbase_M_f32	7.58481121	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	655	





Name	Input Value
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	2458
t2_TrqLOA_DiffGainY_UIs_u1p15[0][2]	4915
t2_TrqLOA_DiffGainY_UIs_u1p15[0][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	655
t2_TrqLOA_DiffGainY_UIs_u1p15[2][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	655
t2_TrqLOA_DiffGainY_UIs_u1p15[4][1]	2458
t2_TrqLOA_DiffGainY_UIs_u1p15[4][2]	4915
t2_TrqLOA_DiffGainY_UIs_u1p15[4][3]	6226 655
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0] t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	2458
t2_TrqLOA_DiffGainY_UIs_u1p15[5][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	6226
t2 TrqLOA DiffGainY UIs u1p15[7][0]	655
t2_TrqLOA_DiffGainY_UIs_u1p15[7][1]	2458
t2_TrqLOA_DiffGainY_UIs_u1p15[7][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	6226
t_TrqLOA_DiffGainX_G_u2p14[0]	328
t_TrqLOA_DiffGainX_G_u2p14[1]	1229
t_TrqLOA_DiffGainX_G_u2p14[2]	2458
t_TrqLOA_DiffGainX_G_u2p14[3]	3113
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	16320
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	16640
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	16960
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	17280
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	17600
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	0
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	0
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	0
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	0
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	0
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	36864
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	37683
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	40960
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3] t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	41779 45056
	45875
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5] t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	49152
t TrgLOA LatAccGain Y MtrNmpG u4p12[7]	49152
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	8192
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	14336
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	18432
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	18022
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	21709
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	23347
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	26624
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	26624
t_TrqLOA_X_Kph_u10p6[0]	10816
t_TrqLOA_X_Kph_u10p6[1]	10880
t_TrqLOA_X_Kph_u10p6[2]	10944
t_TrqLOA_X_Kph_u10p6[3]	11008
t_TrqLOA_X_Kph_u10p6[4]	11072
t_TrqLOA_X_Kph_u10p6[5]	11136
t_TrqLOA_X_Kph_u10p6[6]	11200
t_TrqLOA_X_Kph_u10p6[7]	11264
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecSq_f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelValid_Cnt_lgc
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc

target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value



TrqLOA_Per1

Name	Input Value		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCF	RF_MtrRadpS_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPo	s_HwDeg_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc	target_TrqLOA_Per1_TrqLOAA	vail_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOAC	cmd_MtrNm_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleS	peedValid_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleS	peed_Kph_f32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	1		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-6.53060865		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	188.256973		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	179.700195		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	255.015533		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.642847538	0.642847478	✓
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.101530932	0.101530932 ± 0.01	✓
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	~
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	✓
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.219910979	0.219910979 ± 0.01	✓
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	✓

0

0 ± 0.01

Name	Input Value	
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA	
TrqLOA LatAccScaleFactor Uls M f32	0.640755653	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.150000006	
TrqLOA LatAccelSV g M Str.K Uls f32	0.0494999997	
TrqLOA ScaledMtrTrqCmd MtrNm M f32	-2.87358427	
TrqLOA_TloaCmd_MtrNm_M_f32	-5.5	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-0.394978046	
<pre><_TrqLOA_AbsAssistThreshold_MtrNm_f32</pre>	2.25701976	
<pre><_rrqLOA_AbsVelThreshold_MtrRadpS_f32</pre>	784.324646	
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-44.7751732	
k TrqLOA DiffScaleRateLimiterRising UlspS f32	28.3893337	
k TrgLOA FallingRampRate UlspS f32	-342.446625	
k TrqLOA_i allingNarripNate_0lsp3_l32 k TrqLOA LatAccConversionFactor Uls f32	5.02079964	
k_TrqLOA_LimOutput_MtrNm_f32	8.80000019	
k_TrqLOA_LimOutput_MithIII_I32 k_TrqLOA_MaxScaleFactor_Uls_f32	0.479087353	
k_TrqLOA_MinScaleFactor_Uls_f32	0.821064234	
k_TrqLOA_NomDrvTrq_MtrNm_f32	2.17922974	
k_TrqLOA_RisingRampRate_UlspS_f32	114.818123	
k_TrqLOA_KisingRampRate_UispS_i32	23.1350193	
	0.25	
<pre><_TrqLOA_UndersteerGrad_RadpG_f32</pre>	2.74685764	
k_TrqLOA_Wheelbase_M_f32 12 TrqLOA DiffGainY Uls u1p15[0][0]	6554	
	8192	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	9503	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	9830	
t2_TrqLOA_DiffGainY_UIs_u1p15[0][3]		
12_TrqLOA_DiffGainY_Uls_u1p15[1][0]	6554	
I2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	8192	
I2_TrqLOA_DiffGainY_UIs_u1p15[1][2]	9503	
I2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	9830	
2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	6554	
2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	8192	
2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	9503	
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	9830	
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	6554	
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	8192	
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	9503	
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	9830	
2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	6554	
2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	8192	
2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	9503	
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	9830	
2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	6554	
2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	8192	
2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	9503	
12_TrqLOA_DiffGainY_Uls_u1p15[5][3]	9830	
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	6554	

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Name	Input Value		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	8192		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	9503		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	9830		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	6554		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	8192		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	9503		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	9830		
t_TrqLOA_DiffGainX_G_u2p14[0] t_TrqLOA_DiffGainX_G_u2p14[1]	3277 4096		
t_TrqLOA_DiffGainX_G_u2p14[1]	4751		
t_TrqLOA_DiffGainX_G_u2p14[3]	4915		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	17920		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	18240		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	18560		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	18880		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	19200		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	32768		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	32768		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	32768		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	32768		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	32768		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	53248		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	54067 56115		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2] t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	56934		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	58163		
t TrqLOA_LatAccGain Y MtrNmpG u4p12[5]	60211		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	60621		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	61030		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	9011		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	15565		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	19251		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	18432		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	22528		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	24166		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	27853		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	27443		
t_TrqLOA_X_Kph_u10p6[0]	11328		
t_TrqLOA_X_Kph_u10p6[1] t_TrqLOA_X_Kph_u10p6[2]	11392 11456		
t_TrqLOA_X_Kph_u10p6[3]	11520		
t_TrqLOA_X_Kph_u10p6[4]	11584		
t_TrqLOA_X_Kph_u10p6[5]	11648		
t_TrqLOA_X_Kph_u10p6[6]	11712		
t_TrqLOA_X_Kph_u10p6[7]	11776		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_Handwheel.	Authority_Uls_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_Mp	SecSq_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_Igc	target_TrqLOA_Per1_LatAccelVa	lid_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaN	~	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOAAva		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACm		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpe target_TrqLOA_Per1_VehicleSpe		
target TrqLOA Per1 HandwheelAuthority Uls f32.value		ed_Kpi1_132	
target_TrqLOA_Per1_HandwheelAutnority_Uis_r3z.value target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	0.757805109 6.69891167		
target TrqLOA Per1 LatAccelValid Cnt Iqc.value	0		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	853.767334		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	363.824524		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	426.599976		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.551205277	0.551205337	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.196506739	0.196506724 ± 0.01	•
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	•
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	•
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-0.165341794	-0.165341809 ± 0.01	•
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	•
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0	0 ± 0.01	





Test Step 2.75 (Repeat Count = 1)	
Name	Input Value
Rte_Inst_Ap_TrqLOA	target Rte Inst Ap TrqLOA
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.192929626
TrqLOA LatAccelSV g M Str.SV Uls f32	0.20000003
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0500000007
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-3.24785995
TrqLOA_TloaCmd_MtrNm_M_f32	-5
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	2
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	2.67245817
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	852.235596
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-93.5251465
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	94.4281158
k_TrqLOA_FallingRampRate_UlspS_f32	-53.3808022 7.26113749
k_TrqLOA_LatAccConversionFactor_Uls_f32 k_TrqLOA_LimOutput_MtrNm_f32	6.34435844
k_TrqLOA_MaxScaleFactor_Uls_f32	1
k_TrqLOA_MinScaleFactor_Uls_f32	0.354396462
k_TrqLOA_NomDrvTrq_MtrNm_f32	3.1736002
k_TrqLOA_RisingRampRate_UlspS_f32	568.303833
k_TrqLOA_SteerRatio_Uls_f32	15.5500841
k_TrqLOA_UndersteerGrad_RadpG_f32	0.25
k_TrqLOA_Wheelbase_M_f32	13.0453558
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	13107
t2_TrqLOA_DiffGainY_UIs_u1p15[1][0]	10158
t2_TrqLOA_DiffGainY_UIs_u1p15[1][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2] t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	12780 13107
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	10158
t2_TrqLOA_DiffGainY_UIs_u1p15[4][1]	12124
t2_TrqLOA_DiffGainY_UIs_u1p15[4][2]	12780 13107
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3] t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	10158
t2_TrqLOA_DiffGainY_UIs_u1p15[7][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3] t_TrqLOA_DiffGainX_G_u2p14[0]	13107 5079
t_TrqLOA_DiffGainX_G_u2p14[1]	6062
t TrgLOA DiffGainX G u2p14[2]	6390
t_TrqLOA_DiffGainX_G_u2p14[3]	6554
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	19520
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	19840
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	20160
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	20480
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	20800
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	16384 19661
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3] t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	22938
t_TrqLOA_HighSpeedTrqBiend_Y_Ois_u1p15[4] t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	4096
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	4915
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	8192
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	9011





Name	Input Value		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	12288		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	13107		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	16384		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	17203		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	9830		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	16794		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	20070		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	18842		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	23347		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	24986		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	29082		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	28262		
t_TrqLOA_X_Kph_u10p6[0]	11840		
t_TrqLOA_X_Kph_u10p6[1]	11904		
t_TrqLOA_X_Kph_u10p6[2]	11968		
t_TrqLOA_X_Kph_u10p6[3]	12032		
t_TrqLOA_X_Kph_u10p6[4]	12096		
t_TrqLOA_X_Kph_u10p6[5]	12160		
t_TrqLOA_X_Kph_u10p6[6]	12224		
t_TrqLOA_X_Kph_u10p6[7]	12288		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecSq_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelValid_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_HwDeg_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc	target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpe	eed_Kph_f32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0.579330087		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	10		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	0		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	1213.04968		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-780.763367		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	139.815399		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.38178587	0.38178584	•
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.0591392368	0.0591392331 ± 0.01	•
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	•
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	•
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	1.89323843	1.89323843 ± 0.01	•
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	•
target TrqLOA Per1 TrqLOACmd MtrNm f32.value	0	0 ± 0.01	

Name	Input Value	
Rte Inst Ap TrgLOA	target Rte Inst Ap TrgLOA	
TrqLOA LatAccScaleFactor Uls M f32	1	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.25	
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0505000018	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-3.5202601	
TrqLOA_TloaCmd_MtrNm_M_f32	-4.5	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	1.33790362	
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	2.89446616	
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	157.472565	
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-48.3060532	
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	17.9938412	
k_TrqLOA_FallingRampRate_UlspS_f32	-768.387695	
k_TrqLOA_LatAccConversionFactor_Uls_f32	0.781621635	
k_TrqLOA_LimOutput_MtrNm_f32	6.82871485	
k_TrqLOA_MaxScaleFactor_Uls_f32	1	
k_TrqLOA_MinScaleFactor_Uls_f32	0.6190238	
k_TrqLOA_NomDrvTrq_MtrNm_f32	2.43173671	
k_TrqLOA_RisingRampRate_UlspS_f32	754.496765	
k_TrqLOA_SteerRatio_Uls_f32	58.7333565	
k_TrqLOA_UndersteerGrad_RadpG_f32	0.25	
k_TrqLOA_Wheelbase_M_f32	3.76469874	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	13763	





Name	Input Value
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	17039
t2_TrqLOA_DiffGainY_UIs_u1p15[7][3]	19661
t_TrqLOA_DiffGainX_G_u2p14[0]	6881
t_TrqLOA_DiffGainX_G_u2p14[1]	7864
t_TrqLOA_DiffGainX_G_u2p14[2]	8520
t_TrqLOA_DiffGainX_G_u2p14[3]	9830
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	0
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	0
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	0 0
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	0
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0] t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	13107
t TrqLOA HighSpeedTrqBlend Y Uls u1p15[2]	16384
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	19661
t TrqLOA HighSpeedTrqBlend Y Uls u1p15[4]	22938
t_TrqLOA_tatAccGain_Y_MtrNmpG_u4p12[0]	20480
t TrqLOA_LatAccGain Y MtrNmpG u4p12[1]	21299
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	24576
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	25395
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	28672
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	29491
t TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	32768
t TrqLOA_LatAccGain_Y MtrNmpG_u4p12[7]	33587
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	10650
t TrqLOA_rempTrqCmdSatYTbl_MtrNm_u4p12[1]	18022
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	20890
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	19251
t TrqLOA_rempTrqCmdSatYTbl_MtrNm_u4p12[4]	24166
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	25805
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	30310
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	29082
t_TrqLOA_X_Kph_u10p6[0]	12352
t_TrqLOA_X_Kph_u10p6[1]	12416
t_TrqLOA_X_Kph_u10p6[2]	12480
t_TrqLOA_X_Kph_u10p6[3]	12544
t_TrqLOA_X_Kph_u10p6[4]	12608
t_TrqLOA_X_Kph_u10p6[5]	12672
t_TrqLOA_X_Kph_u10p6[6]	12736
t_TrqLOA_X_Kph_u10p6[7]	12800
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecSq_f32
2 7 7 7 7 4 7 4 7 7 7 7 7 7 7 7 7 7 7 7	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelValid_Cnt_lgc





Name	Input Value		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF	_MtrRadpS_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos	_HwDeg_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOAAva	ail_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACm	nd_MtrNm_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSpe	eedValid_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpe	eed_Kph_f32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	1		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-8.86872864		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	819.699768		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	302.582581		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	284.262878		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.903387904	0.903387904	~
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.255117685	0.255117685 ± 0.01	✓
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0.175858855	0.175858811 ± 0.01	✓
TrqLOA_TloaCmd_MtrNm_M_f32	0.175858855	0.175858811 ± 0.01	✓
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.6190238	0.6190238 ± 0.01	✓
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	✓
target TrgLOA Per1 TrgLOACmd MtrNm f32.value	0.175858855	0.175858811 ± 0.01	✓

Name	Input Value	
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA	
rgLOA LatAccScaleFactor Uls M f32	1	
rqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.300000012	
rqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.050999999	
rqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	4.97012091	
rqLOA_TloaCmd_MtrNm_M_f32	-4	
rqLOA_TrqBasedScaleFactor_Uls_M_f32	-0.521495759	
TrqLOA AbsAssistThreshold MtrNm f32	5.38597393	
TrqLOA AbsVelThreshold MtrRadpS f32	399.039459	
TrqLOA DiffScaleRateLimiterFalling UlspS f32	-13.433363	
TrqLOA DiffScaleRateLimiterRising UlspS f32	52.6879501	
TrqLOA FallingRampRate UlspS f32	-393.751373	
TrqLOA LatAccConversionFactor Uls f32	5.18942642	
TrqLOA LimOutput MtrNm f32	7.32739162	
_TrqLOA_MaxScaleFactor_Uls_f32	1	
	0.606269717	
rrqLOA_NomDrvTrq_MtrNm_f32	8.80000019	
rrqLOA_RisingRampRate_UlspS_f32	748.655151	
	86.64814	
: TrqLOA UndersteerGrad RadpG f32	0.25	
_TrqLOA_Wheelbase_M_f32	1.35590708	
2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	17367	
2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	19333	
2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	21299	
2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	26214	
2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	17367	
2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	19333	
2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	21299	
2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	26214	
2_TrqLOA_DiffGainY_Uls_u1p13[1][0]	17367	
	19333	
2_TrqLOA_DiffGainY_Uls_u1p15[2][1] 2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	21299	
z_TrqLOA_DiffGainY_Uls_u1p15[2][2] 2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	26214	
2_rrqLOA_biifGainY_bis_u1p15[3][0]	17367	
2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	19333	
2_rrqLOA_biifGainY_bis_u1p15[3][2]	21299	
z_TrqLOA_DillGalitY_Ols_u1p15[3][2] 2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	26214	
	17367	
2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	19333	
2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	21299	
2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	26214	
2_TrqLOA_DiffGainY_UIs_u1p15[4][3]	17367	
2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	19333	
2_TrqLOA_DiffGainY_Uls_u1p15[5][1]		
2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	21299	
2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	26214 17367	





Name	Input Value		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	19333		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	21299		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	26214		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	17367		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	19333		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	21299		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	26214		
t_TrqLOA_DiffGainX_G_u2p14[0]	8684		
t_TrqLOA_DiffGainX_G_u2p14[1]	9667 10650		
t_TrqLOA_DiffGainX_G_u2p14[2] t_TrqLOA_DiffGainX_G_u2p14[3]	13107		
t TrqLOA HighSpeedTrqBlend X Kph u10p6[0]	25600		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	25600		
t TrqLOA HighSpeedTrqBlend X Kph u10p6[2]	25600		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	25600		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	25600		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	9830		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	13107		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	16384		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	19661		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	22938		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	36864		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	37683		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	40960		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	41779		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	45056		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	45875		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	49152		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7] t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	49971 11469		
t TrqLOA TempTrqCmdSatYTbl_within_u4p12[1]	19251		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	21709		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	19661		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	24986		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	26624		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	31539		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	29901		
t_TrqLOA_X_Kph_u10p6[0]	12864		
t_TrqLOA_X_Kph_u10p6[1]	12928		
t_TrqLOA_X_Kph_u10p6[2]	12992		
t_TrqLOA_X_Kph_u10p6[3]	13056		
t_TrqLOA_X_Kph_u10p6[4]	13120		
t_TrqLOA_X_Kph_u10p6[5]	13184		
t_TrqLOA_X_Kph_u10p6[6]	13248 13312		
t_TrqLOA_X_Kph_u10p6[7]	10012		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32 target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32 target_TrqLOA_Per1_LatAcc_MpSecSq_f32		
target Rte Inst Ap TrqLOA.TrqLOA Per1 LatAccelValid Cnt Iqc	target TrqLOA Per1 LatAccelValid Cnt Igc		
target Rte Inst Ap TrqLOA.TrqLOA Per1 MotAgLoaMtgtnEn Cnt Igc	target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_I	. –	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOAAvail_Cnt_Igc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpeed_Kph_f32		
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	1		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-8.2390604		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	696.445374		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	476.985565 0		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	46.6391907		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value		Exported Value	Dag:://
Name Trail OA otherScaleFactor IIIa M 622	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_UIs_M_f32	0.973133266 0.299582779	0.973133266 0.299582779 ± 0.01	
TrqLOA_LatAccelSV_g_M_Str.SV_UIs_f32 TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0.299582779	0.299582779 ± 0.01 0 ± 0.01	
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.606269717	0.606269717 ± 0.01	
	0	0	
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value			





Test Step 2.78 (Repeat Count = 1) ✓		
Name	Input Value	
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA	
TrqLOA_LatAccScaleFactor_Uls_M_f32	1	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.349999994	
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0515000001	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	1.81693447	
TrqLOA_TloaCmd_MtrNm_M_f32	-3.5	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-0.574706316	
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	9.75135612	
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	134.942993	
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32 k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	-29.9538345 21.1192341	
k_TrqLOA_BilingRampRate_UlspS_f32	-273.069763	
k_TrqLOA_LatAccConversionFactor_Uls_f32	3.67699265	
k TrqLOA LimOutput MtrNm f32	8.8000019	
k_TrqLOA_MaxScaleFactor_Uls_f32	0.211372375	
k_TrqLOA_MinScaleFactor_Uls_f32	0.176148176	
k_TrqLOA_NomDrvTrq_MtrNm_f32	7.09926987	
k_TrqLOA_RisingRampRate_UlspS_f32	546.905884	
k_TrqLOA_SteerRatio_Uls_f32	74.2599945	
k_TrqLOA_UndersteerGrad_RadpG_f32	0.25	
k_TrqLOA_Wheelbase_M_f32	16.0533218	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	655	
t2_TrqLOA_DiffGainY_UIs_u1p15[0][1]	2458	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][2] t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	4915 6226	
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	655	
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	2458	
t2_TrqLOA_DiffGainY_UIs_u1p15[1][2]	4915	
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	6226	
t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	655	
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	2458	
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	4915	
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	6226	
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	655	
t2_TrqLOA_DiffGainY_UIs_u1p15[3][1]	2458	
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2] t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	4915 6226	
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	655	
t2_TrqLOA_DiffGainY_UIs_u1p15[4][1]	2458	
t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	4915	
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	6226	
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	655	
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	2458	
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	4915	
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	6226	
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	655	
t2_TrqLOA_DiffGainY_UIs_u1p15[6][1]	2458 4915	
t2_TrqLOA_DiffGainY_UIs_u1p15[6][2] t2_TrqLOA_DiffGainY_UIs_u1p15[6][3]	6226	
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	655	
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	2458	
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	4915	
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	6226	
t_TrqLOA_DiffGainX_G_u2p14[0]	10486	
t_TrqLOA_DiffGainX_G_u2p14[1]	11469	
t_TrqLOA_DiffGainX_G_u2p14[2]	12780	
t_TrqLOA_DiffGainX_G_u2p14[3]	16384	
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	3840	
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1] t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	4480 5120	
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	5760	
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	6400	
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	9830	
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	13107	
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	16384	
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	19661	
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	22938	
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	53248	
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	54067	
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	56115	
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	56934	





Name	Input Value		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	58163		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	60211		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	60621		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	61030		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	12288		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	20480		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	22528		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	20070		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	25805		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	27443		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	32768		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	30720		
t_TrqLOA_X_Kph_u10p6[0]	13376		
t_TrqLOA_X_Kph_u10p6[1]	13440		
t_TrqLOA_X_Kph_u10p6[2]	13504		
t_TrqLOA_X_Kph_u10p6[3]	13568		
t_TrqLOA_X_Kph_u10p6[4]	13632		
t_TrqLOA_X_Kph_u10p6[5]	13696		
t_TrqLOA_X_Kph_u10p6[6]	13760		
t_TrqLOA_X_Kph_u10p6[7]	13824		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecSq_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelValid_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_HwDeg_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_I	MtrNm_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSpeed	Valid_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpeed	_Kph_f32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	1		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	7.42021513		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	0		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-1275.44128		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	560.891602		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc.value	0		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	396.354004		
Name	Actual Value	Expected Value	Result
TrqLOA LatAccScaleFactor Uls M f32	0.940092325	0.940092325	
TrqLOA_LatAccelSV_g_M_Str.SV_UIs_f32	0.357789844	0.357789844 ± 0.01	•
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0.0428256989	0.0428255945 ± 0.01	
TrqLOA_TloaCmd_MtrNm_M_f32	0.0428256989	0.0428255945 ± 0.01	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.176148176	0.176148176 ± 0.01	
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0.0428256989	0.0428255945 ± 0.01	

Name	Input Value	
Rte Inst Ap TrqLOA	target Rte Inst Ap TrqLOA	
TrgLOA LatAccScaleFactor Uls M f32	0.0926550627	
TrgLOA LatAccelSV g M Str.SV Uls f32	0.40000006	
TrgLOA LatAccelSV g M Str.K Uls f32	0.0520000011	
TrgLOA ScaledMtrTrgCmd MtrNm M f32	-5.6898756	
TrgLOA TloaCmd MtrNm M f32	-3	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-0.0833485723	
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	7.19799519	
<pre><_TrqLOA_AbsVelThreshold_MtrRadpS_f32</pre>	734.1073	
<pre><_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32</pre>	-23.7477036	
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	18.2220573	
<pre><_TrqLOA_FallingRampRate_UlspS_f32</pre>	-177.198669	
<pre><_TrqLOA_LatAccConversionFactor_Uls_f32</pre>	7.82510281	
<_TrqLOA_LimOutput_MtrNm_f32	5.2956357	
<pre><_TrqLOA_MaxScaleFactor_Uls_f32</pre>	0.964477897	
C_TrqLOA_MinScaleFactor_Uls_f32	1	
C_TrqLOA_NomDrvTrq_MtrNm_f32	3.61352849	
<pre><_TrqLOA_RisingRampRate_UlspS_f32</pre>	496.163788	
<_TrqLOA_SteerRatio_Uls_f32	66.1058121	
c_TrqLOA_UndersteerGrad_RadpG_f32	0.25	
C_TrqLOA_Wheelbase_M_f32	14.8917131	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	6554	





Name	Input Value
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	9830
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	9830
t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	9830
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	6554
t2_TrqLOA_DiffGainY_UIs_u1p15[3][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	9830
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	6554 8192
t2_TrqLOA_DiffGainY_UIs_u1p15[4][1]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[4][2] t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	9830
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	9503
t2 TrqLOA DiffGainY Uls u1p15[5][3]	9830
t2 TrqLOA DiffGainY Uls u1p15[6][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	9830
t2_TrqLOA_DiffGainY_UIs_u1p15[7][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	9830
t_TrqLOA_DiffGainX_G_u2p14[0]	12288
t_TrqLOA_DiffGainX_G_u2p14[1]	13271
t_TrqLOA_DiffGainX_G_u2p14[2]	14909
t_TrqLOA_DiffGainX_G_u2p14[3]	19661
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	640
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	1280
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	1920
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	2560
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	3200
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	16384
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	19661
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	22938
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	4096
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1] t TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	4915 8192
	9011
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3] t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	12288
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	13107
t TrqLOA_EarAccGain Y MtrNmpG u4p12[6]	16384
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	17203
t TrqLOA_EarAccoaiii_T_iMitNiiipO_dap12[7]	0
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	0
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	0
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	0
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	0
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	0
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	0
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	0
t_TrqLOA_X_Kph_u10p6[0]	13888
t_TrqLOA_X_Kph_u10p6[1]	13952
t_TrqLOA_X_Kph_u10p6[2]	14016
t_TrqLOA_X_Kph_u10p6[3]	14080
t_TrqLOA_X_Kph_u10p6[4]	14144
t_TrqLOA_X_Kph_u10p6[5]	14208
t_TrqLOA_X_Kph_u10p6[6]	14272
	14336
t_TrqLOA_X_Kph_u10p6[7]	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32
	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32 target_TrqLOA_Per1_LatAcc_MpSecSq_f32 target_TrqLOA_Per1_LatAccelValid_Cnt_lgc

target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value

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Name	Input Value		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCR	F_MtrRadpS_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos	s_HwDeg_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc	target_TrqLOA_Per1_TrqLOAAv	/ail_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACı	md_MtrNm_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSp	eedValid_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSp	eed_Kph_f32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0.856912732		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	6.23505163		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	0		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-1588.14465		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-136.48378		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	276.678314		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.129099175	0.129099175	~
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.372379482	0.372379482 ± 0.01	~
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	~
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	~
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.908979058	0.908978999 ± 0.01	~
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	•

0

0 ± 0.01

Name	Input Value
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA
TrqLOA LatAccScaleFactor Uls M f32	1
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.44999988
TrqLOA_LatAccelSV_g_M_Str.K_UIs_f32	0.0524999984
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-7.83283663
TrqLOA TloaCmd MtrNm M f32	-2.5
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	2
<pre><_TrqLOA_AbsAssistThreshold_MtrNm_f32</pre>	10
<pre><_TrqLOA_AbsVelThreshold_MtrRadpS_f32</pre>	954.927002
k TrgLOA DiffScaleRateLimiterFalling UlspS f32	-70.1127396
k TrqLOA DiffScaleRateLimiterRising UlspS f32	60.9110832
k TrgLOA FallingRampRate UlspS f32	-399.622284
k TrqLOA LatAccConversionFactor Uls f32	1.31709409
k TrqLOA LimOutput MtrNm f32	6.46497059
k_TrqLOA_MaxScaleFactor_Uls_f32	0.195761919
k_TrqLOA_MinScaleFactor_Uls_f32	1
k_TrqLOA_NomDrvTrq_MtrNm_f32	6.96180534
k_TrqLOA_RisingRampRate_UlspS_f32	551.797058
k_TrqLOA_SteerRatio_Uls_f32	20.2741756
k_TrqLOA_UndersteerGrad_RadpG_f32	0.25
k_TrqLOA_Wheelbase_M_f32	1.05338657
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	12780
12_TrqLOA_DiffGainY_Uls_u1p15[2][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	10158
	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	12780
12 TrqLOA DiffGainY Uls u1p15[5][3]	13107
t2 TrqLOA DiffGainY Uls u1p15[6][0]	10158
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2015-06-23, 13:18:09+0530





Name	Input Value		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	12124		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	12780		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	13107		
t2_TrqLOA_DiffGainY_UIs_u1p15[7][0]	10158		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	12124		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	12780		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	13107		
t_TrqLOA_DiffGainX_G_u2p14[0]	14090		
t_TrqLOA_DiffGainX_G_u2p14[1]	15073		
t TrqLOA DiffGainX G u2p14[2]	17039		
t_TrqLOA_DiffGainX_G_u2p14[3]	22938		
t TrqLOA HighSpeedTrqBlend X Kph u10p6[0]	6720		
	7040		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]			
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	7360 7680		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	8000		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]			
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	9830		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	13107		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	16384		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	19661		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	22938		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	20480		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	21299		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	24576		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	25395		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	28672		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	29491		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	32768		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	33587		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	36045		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	36045		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	36045		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	36045		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	36045		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	36045		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	36045		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	36045		
t_TrqLOA_X_Kph_u10p6[0]	14400		
	14464		
t_TrqLOA_X_Kph_u10p6[1]	14528		
t_TrqLOA_X_Kph_u10p6[2]			
t_TrqLOA_X_Kph_u10p6[3]	14592		
t_TrqLOA_X_Kph_u10p6[4]	14656		
t_TrqLOA_X_Kph_u10p6[5]	14720		
t_TrqLOA_X_Kph_u10p6[6]	14784		
t_TrqLOA_X_Kph_u10p6[7]	14848		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_Handwheel.		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_Mp	SecSq_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelVa		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaN	/ltgtnEn_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF	_MtrRadpS_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_	HwDeg_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc	target_TrqLOA_Per1_TrqLOAAva	iil_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACm	d_MtrNm_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSpe	edValid_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpe		
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0.195947647		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-2.8999486		
target TrqLOA Per1 LatAccelValid Cnt Igc.value	1		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	1780.99292		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-834.448364		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc.value	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	375.299133		
		Expensed Value	D
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.85977453	0.85977453	~
TrqLOA_LatAccelSV_g_M_Str.SV_UIs_f32	0.276093841	0.276093841 ± 0.01	~
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-5.29633284	-5.29633284 ± 0.01	V
TrqLOA_TloaCmd_MtrNm_M_f32	-5.29633284	-5.29633284 ± 0.01	~
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	1.20075536	1.20075548 ± 0.01	~
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	✓
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	-5.29633284	-5.29633284 ± 0.01	<u> </u>





Test Step 2.81 (Repeat Count = 1)	Input Value
Name	Input Value
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.147569776 0.5
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32 TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0529999994
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	1.6737206
TrqLOA_TloaCmd_MtrNm_M_f32	-2
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.340689003
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	1.51961756
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	931.717346
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-81.3402023
k TrqLOA DiffScaleRateLimiterRising UlspS f32	1.28901112
k_TrqLOA_FallingRampRate_UlspS_f32	-240.732864
k_TrqLOA_LatAccConversionFactor_Uls_f32	10
k_TrqLOA_LimOutput_MtrNm_f32	1.79836071
k_TrqLOA_MaxScaleFactor_Uls_f32	0.405108094
k_TrqLOA_MinScaleFactor_Uls_f32	1
k_TrqLOA_NomDrvTrq_MtrNm_f32	0.481317669
k_TrqLOA_RisingRampRate_UlspS_f32	862.363953
k_TrqLOA_SteerRatio_Uls_f32	87.4016571
k_TrqLOA_UndersteerGrad_RadpG_f32	0.25
k_TrqLOA_Wheelbase_M_f32	6.131567
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	17039 19661
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3] t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	17039
t2_rrqLOA_biffGainY_Uls_u1p15[4][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	13763
t2_frqLOA_DiffGainY_UIs_u1p15[5][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	15729
t2 TrqLOA DiffGainY Uls u1p15[6][2]	17039
t2 TrgLOA DiffGainY Uls u1p15[6][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	19661
t_TrqLOA_DiffGainX_G_u2p14[0]	15892
t_TrqLOA_DiffGainX_G_u2p14[1]	16876
t_TrqLOA_DiffGainX_G_u2p14[2]	19169
t_TrqLOA_DiffGainX_G_u2p14[3]	26214
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	8320
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	8640
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	8960
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	9280
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	9600
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	16384
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	19661
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	22938
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	36864
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	37683
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	40960
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	41779





Name	Input Value		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	45056		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	45875		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	49152		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	49971		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	4096		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	8192		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	14336		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	15974		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	17613		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	19251		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	20480		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	22528		
t_TrqLOA_X_Kph_u10p6[0]	14912		
t_TrqLOA_X_Kph_u10p6[1]	14976		
t_TrqLOA_X_Kph_u10p6[2]	15040		
t_TrqLOA_X_Kph_u10p6[3]	15104		
t_TrqLOA_X_Kph_u10p6[4]	15168		
t_TrqLOA_X_Kph_u10p6[5]	15232		
t_TrqLOA_X_Kph_u10p6[6]	15296		
t_TrqLOA_X_Kph_u10p6[7]	15360		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecSq_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_Igc	target_TrqLOA_Per1_LatAccelValid_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_Igc	target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32		
target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_HwDeg_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOAAvail_Cnt_Igc		
target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSpeed		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32 target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	target_TrqLOA_Per1_VehicleSpeed	_Kpn_132	
target_TrqLOA_Per1_HarlowneerAuthority_Ois_isz.value target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	3.51402378		
target TrqLOA Per1 LatAccelValid Cnt lgc.value	0		
target TrqLOA Per1 MotAgLoaMtgtnEn Cnt Igc.value	0		
target TrqLOA Per1 MtrVelCRF MtrRadpS f32.value	1134.6853		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-0.0952710509		
target TrqLOA Per1 VehicleSpeedValid Cnt Igc.value	0		
target TrqLOA Per1 VehicleSpeed Kph f32.value	444.655426		
Name	Actual Value	Expected Value	Result
TrqLOA LatAccScaleFactor Uls M f32	0.150147796	0.150147796	Result
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.47349602	0.47349602 ± 0.01	
TrqLOA ScaledMtrTrqCmd MtrNm M f32	0.47349002	0 ± 0.01	
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.405108094	0.405108094 ± 0.01	
target TrqLOA Per1 TrqLOAAvail Cnt Igc.value	0.403108094	0.403108094 1 0.01	
target TrgLOA Per1 TrgLOACmd MtrNm f32.value	0	0 ± 0.01	

Test Step 2.82 (Repeat Count = 1)		✓
Name	Input Value	
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA	
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.581789017	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.550000012	
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0535000004	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	8.80000019	
TrqLOA_TloaCmd_MtrNm_M_f32	-1.5	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-1.67078209	
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	4.3697114	
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	22.0355587	
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-7.00261021	
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	69.5077057	
k_TrqLOA_FallingRampRate_UlspS_f32	-255.819397	
k_TrqLOA_LatAccConversionFactor_Uls_f32	2.26387119	
k_TrqLOA_LimOutput_MtrNm_f32	8.80000019	
k_TrqLOA_MaxScaleFactor_Uls_f32	0.942474842	
k_TrqLOA_MinScaleFactor_Uls_f32	1	
k_TrqLOA_NomDrvTrq_MtrNm_f32	3.71725106	
k_TrqLOA_RisingRampRate_UlspS_f32	938.2005	
k_TrqLOA_SteerRatio_Uls_f32	40.8715019	
k_TrqLOA_UndersteerGrad_RadpG_f32	0.25	
k_TrqLOA_Wheelbase_M_f32	16.9261703	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	17367	





Name	Input Value
t2_TrqLOA_DiffGainY_UIs_u1p15[0][1]	19333
t2_TrqLOA_DiffGainY_UIs_u1p15[0][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	21299
t2_TrqLOA_DiffGainY_UIs_u1p15[1][3]	26214
t2_TrqLOA_DiffGainY_UIs_u1p15[2][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	21299
t2_TrqLOA_DiffGainY_UIs_u1p15[3][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	26214
t2_TrqLOA_DiffGainY_UIs_u1p15[5][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	21299
t2_TrqLOA_DiffGainY_UIs_u1p15[5][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	26214
t2_TrqLOA_DiffGainY_UIs_u1p15[7][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	21299
t2_TrqLOA_DiffGainY_UIs_u1p15[7][3]	26214
t_TrqLOA_DiffGainX_G_u2p14[0]	17695
t_TrqLOA_DiffGainX_G_u2p14[1]	18678
t_TrqLOA_DiffGainX_G_u2p14[2]	21299
t_TrqLOA_DiffGainX_G_u2p14[3]	29491
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	9920
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	10240
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	10560
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	10880
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	11200
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	16384
t_TrqLOA_HighSpeedTrqBlend_Y_UIs_u1p15[3]	19661
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	22938
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	0 0
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	0
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3] t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	0
t TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	0
t TrqLOA_LatAccGain_Y_mtrNmpG_u4p12[6]	0
	0
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	4915
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	9421
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	15155
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	16384
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	18432
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	20070
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	21709
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	23347
t_TrqLOA_X_Kph_u10p6[0]	15424
t_TrqLOA_X_Kph_u10p6[1]	15488
t_TrqLOA_X_Kph_u10p6[2]	15552
t_TrqLOA_X_Kph_u10p6[3]	15616
t_TrqLOA_X_Kph_u10p6[4]	15680
t_TrqLOA_X_Kph_u10p6[5]	15744
t_TrqLOA_X_Kph_u10p6[6]	15808
t_TrqLOA_X_Kph_u10p6[7]	15872
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecSq_f32
target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelValid_Cnt_lgc
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc





Name	Input Value		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrRad	pS_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_HwDeg_	<u>f</u> 32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc	target_TrqLOA_Per1_TrqLOAAvail_Cnt_lg	jc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_MtrNm	n_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc	target_TrqLOA_Per1_VehicleSpeedValid_	Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpeed_Kph_	f32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	1		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-6.56730986		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	446.730835		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	149.9048		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	388.930298		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.567783773	0.567783773	~
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.533536494	0.533536434 ± 0.01	✓
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	✓
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	✓
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.205618978	0.205618933 ± 0.01	✓
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	✓
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0	0 ± 0.01	~

Name	Input Value	
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA	
TrqLOA LatAccScaleFactor Uls M f32	1	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.60000024	
TrqLOA LatAccelSV g M Str.K Uls f32	0.0540000014	
TrgLOA ScaledMtrTrgCmd MtrNm M f32	2.57816553	
TrqLOA_TloaCmd_MtrNm_M_f32	-1	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-0.0165567994	
<pre><_TrqLOA_AbsAssistThreshold_MtrNm_f32</pre>	0.0350674987	
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	871.700928	
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-30.0435162	
TrgLOA DiffScaleRateLimiterRising UlspS f32	13.7316875	
k TrqLOA FallingRampRate UlspS f32	-406.617493	
k TrgLOA LatAccConversionFactor Uls f32	3.70052624	
k_TrqLOA_LimOutput_MtrNm_f32	0.519612968	
k_TrqLOA_EIIIIOutput_Withtin_i32	1	
k_TrqLOA_MinScaleFactor_Uls_f32	0.756676316	
k_TrqLOA_NomDrvTrq_MtrNm_f32	0.363540441	
k_TrqLOA_RisingRampRate_UlspS_f32	378.26651	
k_TrqLOA_SteerRatio_Uls_f32	84.6550903	
k TrqLOA_Gleen\alio_Gls_i32	0.25	
k TrqLOA_UndersteerGrau_reaupg_lb2	12.7986794	
k_TrqLOA_wrieelbase_iw_132 12 TrqLOA DiffGainY Uls u1p15[0][0]	655	
t2_TrqLOA_DiliGainY_Uis_u1p15[0][0] t2_TrqLOA_DiffGainY_Uis_u1p15[0][1]	2458	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	4915	
	6226	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3] t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	655	
	2458	
12_TrqLOA_DiffGainY_Uls_u1p15[1][1]	4915	
I2_TrqLOA_DiffGainY_UIs_u1p15[1][2]	6226	
I2_TrqLOA_DiffGainY_UIs_u1p15[1][3]		
2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	655 2458	
t2_TrqLOA_DiffGainY_UIs_u1p15[2][1]		
2_TrqLOA_DiffGainY_UIs_u1p15[2][2]	4915	
I2_TrqLOA_DiffGainY_UIs_u1p15[2][3]	6226	
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	655	
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	2458	
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	4915	
12_TrqLOA_DiffGainY_Uls_u1p15[3][3]	6226	
12_TrqLOA_DiffGainY_Uls_u1p15[4][0]	655	
2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	2458	
t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	4915	
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	6226	
2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	655	
2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	2458	
2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	4915	
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	6226	
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	655	

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Name	Input Value		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	2458		
t2 TrqLOA DiffGainY Uls u1p15[6][2]	4915		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	6226		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	655		
t2_TrqLOA_DiffGainY_UIs_u1p15[7][1]	2458		
t2_TrqLOA_DiffGainY_UIs_u1p15[7][2]	4915		
t2_TrqLOA_DiffGainY_UIs_u1p15[7][3]	6226		
t_TrqLOA_DiffGainX_G_u2p14[0]	328		
t TrgLOA DiffGainX G u2p14[1]	1229		
	2458		
t_TrqLOA_DiffGainX_G_u2p14[2]			
t_TrqLOA_DiffGainX_G_u2p14[3]	3113		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	320		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	640		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	960		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	1280		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	1600		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	9830		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	13107		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	16384		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	19661		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	22938		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	61440		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	61440		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	61440		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	61440		
	61440		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	61440		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]			
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	61440		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	61440		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	5734		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	10650		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	15974		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	16794		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	19251		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	20890		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	22938		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	24166		
t_TrqLOA_X_Kph_u10p6[0]	15936		
t_TrqLOA_X_Kph_u10p6[1]	16000		
t_TrqLOA_X_Kph_u10p6[2]	16064		
t_TrqLOA_X_Kph_u10p6[3]	16128		
t TrgLOA X Kph u10p6[4]	16192		
t TrgLOA X Kph u10p6[5]	16256		
t_TrqLOA_X_Kph_u10p6[6]	16320		
t_TrqLOA_X_Kph_u10p6[7]	16384		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_Handwhee		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_Mp		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelVa	alid_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoal	MtgtnEn_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF	_MtrRadpS_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos	_HwDeg_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc	target_TrqLOA_Per1_TrqLOAAv		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACn		
target Rte Inst Ap TrqLOA.TrqLOA Per1 VehicleSpeedValid Cnt Igc	target_TrqLOA_Per1_VehicleSpe		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpe		
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	1		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	10		
target_TrqLOA_Per1_LatAcce_wpsecSq_1sz.value target_TrqLOA_Per1_LatAcce Valid_Cnt_lgc.value	1		
0 = 1 = = = = = = = = = = = = = = = = =	1		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value			
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	1138.91357		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-880.585693		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	451.074432		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.939912975	0.939912975	~
TrqLOA_LatAccelSV_g_M_Str.SV_UIs_f32	0.52960062	0.52960062 ± 0.01	✓
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-2.87247229	-2.87247229 ± 0.01	-
TrqLOA_TloaCmd_MtrNm_M_f32	-0.519612968	-0.519612968 ± 0.01	~
TrqLOA_TrqBasedScaleFactor_UIs_M_f32	0.739976227	0.739976227 ± 0.01	
	0.739976227	0.739976227 ± 0.01	-
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value			
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	-0.519612968	-0.519612968 ± 0.01	~



Test Step 2.84 (Repeat Count = 1)	
Name	Input Value
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA
TrqLOA_LatAccScaleFactor_Uls_M_f32	1
TrqLOA LatAccelSV g M Str.SV Uls f32	0.649999976
TrqLOA LatAccelSV g M Str.K Uls f32	0.0544999987
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-8.16542625
TrqLOA_TloaCmd_MtrNm_M_f32	-0.5
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	2
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	5.20458698
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	394.782104
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-11.6488876
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	81.607048
k_TrqLOA_FallingRampRate_UlspS_f32	-930.11261
k_TrqLOA_LatAccConversionFactor_Uls_f32 k_TrqLOA_LimOutput_MtrNm_f32	8.80764484 1.0901581
k_TrqLOA_Limoutput_withini_is2 k_TrqLOA_MaxScaleFactor_Uls_f32	0.647754431
k_TrqLOA_MinScaleFactor_Uls_f32	0.862379551
k_TrqLOA_NomDrvTrq_MtrNm_f32	0.549903929
k_TrqLOA_RisingRampRate_UlspS_f32	990.779175
k_TrqLOA_SteerRatio_Uls_f32	34.4749832
k_TrqLOA_UndersteerGrad_RadpG_f32	0.0220634043
k_TrqLOA_Wheelbase_M_f32	10.8809481
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	9830
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	9830
t2_TrqLOA_DiffGainY_UIs_u1p15[2][0]	6554
t2_TrqLOA_DiffGainY_UIs_u1p15[2][1]	8192 9503
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2] t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	9830
t2_TrqLOA_DiffGainY_UIs_u1p15[3][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	9830
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	9830
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	9830
t2_TrqLOA_DiffGainY_UIs_u1p15[6][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	8192 9503
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2] t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	9830
t2 TrqLOA DiffGainY Uls u1p15[7][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	9830
t_TrqLOA_DiffGainX_G_u2p14[0]	3277
t_TrqLOA_DiffGainX_G_u2p14[1]	4096
t_TrqLOA_DiffGainX_G_u2p14[2]	4751
t_TrqLOA_DiffGainX_G_u2p14[3]	4915
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	1920
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	2240
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	2560
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	2880
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	3200 9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0] t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1] t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	16384
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	19661
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	22938
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	20480
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	21299
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	24576
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	25395





Name	Input Value		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	28672		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	29491		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	32768		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	33587		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	6554		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	11878		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	16794		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	17203		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	20070		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	21709		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	24166		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	24986		
t_TrqLOA_X_Kph_u10p6[0]	16448		
t_TrqLOA_X_Kph_u10p6[1]	16512		
t_TrqLOA_X_Kph_u10p6[2]	16576		
t_TrqLOA_X_Kph_u10p6[3]	16640		
t_TrqLOA_X_Kph_u10p6[4]	16704		
t_TrqLOA_X_Kph_u10p6[5]	16768		
t_TrqLOA_X_Kph_u10p6[6]	16832		
t_TrqLOA_X_Kph_u10p6[7]	16896		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_Handwhe	eelAuthority_Uls_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_N	· —	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelValid_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_HwDeg_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc	target_TrqLOA_Per1_TrqLOAA		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOAC		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc	target_TrqLOA_Per1_VehicleS	•	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleS	peed_Kph_f32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	1		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-3.14655781		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	0		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-1073.65491		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-174.705765		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	35.7357788		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.976702213	0.976702213	•
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.61021328	0.610213339 ± 0.01	•
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	•
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	•
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.647754431	0.647754431 ± 0.01	•
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	•
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0	0 ± 0.01	•

Name	Input Value	
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA	
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.526905656	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.10000001	
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0549999997	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	8.30688953	
TrqLOA_TloaCmd_MtrNm_M_f32	0	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	1.70597506	
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	9.76176262	
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	301.494141	
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-47.2110062	
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	43.7765656	
k_TrqLOA_FallingRampRate_UlspS_f32	-748.771301	
k_TrqLOA_LatAccConversionFactor_Uls_f32	5.42878771	
k_TrqLOA_LimOutput_MtrNm_f32	1.08144009	
k_TrqLOA_MaxScaleFactor_Uls_f32	1	
k_TrqLOA_MinScaleFactor_Uls_f32	0.525616527	
k_TrqLOA_NomDrvTrq_MtrNm_f32	2.05261755	
k_TrqLOA_RisingRampRate_UlspS_f32	540.796814	
k_TrqLOA_SteerRatio_Uls_f32	60.2533417	
k_TrqLOA_UndersteerGrad_RadpG_f32	0.25	
k_TrqLOA_Wheelbase_M_f32	12.1284971	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	10158	





Input Value
12124
12780
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6390
6554
3520
3840
4160
4480
4800
9830 13107
16384
19661
22938
36864
37683
40960
41779
45056
45875
49152
49971
7373
13107
17613
17613
20890
22528
25395
25805
0
0
0
0
0
0
0
0
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32
target_TrqLOA_Per1_LatAcc_MpSecSq_f32
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc



TrqLOA_Per1

Name	Input Value		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPo	target_TrqLOA_Per1_RelHwPos_HwDeg_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc	target_TrqLOA_Per1_TrqLOAA	vail_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOAC	md_MtrNm_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSp	peedValid_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSp	peed_Kph_f32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0.0452584028		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-8.33281803	-8.33281803	
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0	0	
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1	1	
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-1279.70117	-1279.70117	
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-763.383301	-763.383301	
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	0	0	
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	16.4704895	16.4704895	
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.432483643	0.432483643	✓
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.0924502239	0.0924502164 ± 0.01	✓
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	~
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	✓
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.525616527	0.525616527 ± 0.01	•
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	•
target TrgLOA Per1 TrgLOACmd MtrNm f32.value	0	0 ± 0.01	•

Name	Input Value	
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA	
FrgLOA LatAccScaleFactor Uls M f32	0.454035282	
FrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.150000006	
FrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0555000007	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-4.2971797	
TrqLOA_TloaCmd_MtrNm_M_f32	0.5	
FrqLOA_TrqBasedScaleFactor_Uls_M_f32	-0.0378806591	
C TrgLOA AbsAssistThreshold MtrNm f32	1.20553124	
TrqLOA AbsVelThreshold MtrRadpS f32	85.9290466	
TrgLOA DiffScaleRateLimiterFalling UlspS f32	-5.70244408	
TrgLOA DiffScaleRateLimiterRising UlspS f32	57.5687294	
TrqLOA FallingRampRate UlspS f32	-190.925446	
TrgLOA LatAccConversionFactor Uls f32	0.856612802	
TrgLOA LimOutput MtrNm f32	5.18634176	
<pre><_rrqLOA_MaxScaleFactor_Uls_f32</pre>	1	
<pre><_TrqLOA_MinScaleFactor_Uls_f32</pre>	1	
<pre>f32</pre>	5.44656372	
<pre>c</pre>	168.014526	
<pre><_rrqLOA_SteerRatio_Uls_f32</pre>	100	
<pre><_rrqLOA_UndersteerGrad_RadpG_f32</pre>	0.25	
<pre><_rrqLOA_Wheelbase_M_f32</pre>	20	
2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	13763	
2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	15729	
2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	17039	
2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	19661	
2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	13763	
2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	15729	
2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	17039	
2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	19661	
2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	13763	
2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	15729	
2 TrqLOA_DiffGainY_UIs_u1p15[2][2]	17039	
2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	19661	
2 TrqLOA_DiffGainY_UIs_u1p15[3][0]	13763	
2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	15729	
2 TrqLOA_DiffGainY_UIs_u1p15[3][2]	17039	
2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	19661	
2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	13763	
2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	15729	
2_TrqLOA_DiliGainY_Uls_u1p15[4][1] 2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	17039	
2_TrqLOA_DiliGainY_Uls_u1p15[4][2] 2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	19661	
:2_TrqLOA_DiliGainY_Uis_u1p15[4][3] :2_TrqLOA_DiffGainY_Uis_u1p15[5][0]	13763	
2_TrqLOA_DiliGainY_Uls_u1p15[5][0]	15729	
2_TrqLOA_DiliGainY_Uls_u1p15[5][1] 2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	17039	
2_TrqLOA_DiliGainY_Uls_u1p15[5][2] 2_TrqLOA_DilffGainY_Uls_u1p15[5][3]	19661	
2_TrqLOA_DiliGainY_Uls_u1p15[6][0]	13763	

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Name	Input Value		
t2 TrqLOA DiffGainY Uls u1p15[6][1]	15729		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	17039		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	19661		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	13763		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	15729		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	17039		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	19661		
t_TrqLOA_DiffGainX_G_u2p14[0]	6881		
t_TrqLOA_DiffGainX_G_u2p14[1]	7864		
t_TrqLOA_DiffGainX_G_u2p14[2]	8520 9830		
t_TrqLOA_DiffGainX_G_u2p14[3] t TrqLOA HighSpeedTrqBlend X Kph u10p6[0]	5120		
t TrqLOA HighSpeedTrqBlend X Kph u10p6[1]	5440		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	5760		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	6080		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	6400		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	6554		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	9830		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	13107		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	16384		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	19661		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	53248		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	54067		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	56115		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	56934		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4] t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	58163 60211		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	60621		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	61030		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	8192		
t TrqLOA TempTrqCmdSatYTbl MtrNm u4p12[1]	14336		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	18432		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	18022		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	21709		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	23347		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	26624		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	26624		
t_TrqLOA_X_Kph_u10p6[0]	25600		
t_TrqLOA_X_Kph_u10p6[1]	25600		
t_TrqLOA_X_Kph_u10p6[2] t TrqLOA_X_Kph_u10p6[3]	25600 25600		
t_TrqLOA_X_Kph_u10p6[4]	25600		
t_TrqLOA_X_Kph_u10p6[5]	25600		
t_TrqLOA_X_Kph_u10p6[6]	25600		
t_TrqLOA_X_Kph_u10p6[7]	25600		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAutho	ority_Uls_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecS	q_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelValid_C	nt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMtgtnB		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrF	. –	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_HwD		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOAAvail_Cr		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_Mt		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSpeedVa		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32 target TrqLOA Per1 HandwheelAuthority Uls f32.value	target_TrqLOA_Per1_VehicleSpeed_K	μι <u>ι</u> 132	
target TrqLOA Per1 LatAcc MpSecSq f32.value	8.98322487		
target TrqLOA Per1 LatAccelValid Cnt Igc.value	1		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	1615.12988		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-707.800293		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	510.110107		,
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.519989014	0.519989014	~
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.115281835	0.115281828 ± 0.01	~
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-0.152473509	-0.15247348 ± 0.01	~
TrqLOA_TloaCmd_MtrNm_M_f32	-0.152473509	-0.15247348 ± 0.01	~
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.298148423	0.298148394 ± 0.01	V
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.volue	0	0 15247249 + 0.01	
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	-0.152473509	-0.15247348 ± 0.01	~



Test Step 2.87 (Repeat Count = 1)	Invest Value
Name	Input Value
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA
TrqLOA_LatAccScaleFactor_Uls_M_f32 TrqLOA_LatAccelSV g M Str.SV Uls f32	1 0.20000003
TrqLOA_LatAccelSV g M Str.K Uls f32	0.250000003
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-8.33610821
TrqLOA_TloaCmd_MtrNm_M_f32	1
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-0.851540387
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	2.5908401
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	404.598846
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-16.7572479
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	31.2275734
k_TrqLOA_FallingRampRate_UlspS_f32	-978.38501
k_TrqLOA_LatAccConversionFactor_Uls_f32	6.24312687
k_TrqLOA_LimOutput_MtrNm_f32	2.07289386
k_TrqLOA_MaxScaleFactor_Uls_f32 k_TrqLOA_MinScaleFactor_Uls_f32	1
k_TrqLOA_NomDrvTrq_MtrNm_f32	7.69596291
k_TrqLOA_RisingRampRate_UlspS_f32	135.736816
k TrqLOA SteerRatio Uls f32	93.4940491
k_TrqLOA_UndersteerGrad_RadpG_f32	0.25
k_TrqLOA_Wheelbase_M_f32	3.27910423
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	21299
t2_TrqLOA_DiffGainY_UIs_u1p15[1][3]	26214 17367
t2_TrqLOA_DiffGainY_Uls_u1p15[2][0] t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	19333
t2_TrqLOA_DiliGainY_Uls_u1p15[2][1] t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	17367
t2_TrqLOA_DiffGainY_UIs_u1p15[5][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2] t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	21299 26214
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	26214
t_TrqLOA_DiffGainX_G_u2p14[0]	8684
t_TrqLOA_DiffGainX_G_u2p14[1]	9667
t_TrqLOA_DiffGainX_G_u2p14[2]	10650
t_TrqLOA_DiffGainX_G_u2p14[3]	13107
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0] t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	6720 7040
t_TrqLOA_nighSpeedTrqBlend_X_kpri_u10p6[1] t_TrqLOA_HighSpeedTrqBlend_X_kph_u10p6[2]	7360
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	7680
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	8000
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	6554
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	16384
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	19661
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	4096
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	4915
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	8192
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	9011





Name	Input Value		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	12288		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	13107		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	16384		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	17203		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	9011		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	15565		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	19251		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	18432		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	22528		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	24166		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	27853		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	27443		
t_TrqLOA_X_Kph_u10p6[0]	17984		
t_TrqLOA_X_Kph_u10p6[1]	18048		
t_TrqLOA_X_Kph_u10p6[2]	18112		
t_TrqLOA_X_Kph_u10p6[3]	18176		
t_TrqLOA_X_Kph_u10p6[4]	18240		
t_TrqLOA_X_Kph_u10p6[5]	18304		
t_TrqLOA_X_Kph_u10p6[6]	18368		
t_TrqLOA_X_Kph_u10p6[7]	18432		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_Handwhee	elAuthority_Uls_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_M	pSecSq_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelV	/alid_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_HwDeg_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOAAv	vail_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACr	md_MtrNm_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc	target_TrqLOA_Per1_VehicleSp	eedValid_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSp	eed_Kph_f32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	1		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	8.20080757		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	854.247864		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-370.513214		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	121.660004		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.9664855	0.9664855	•
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.174875259	0.174875259 ± 0.01	•
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	•
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	•
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-0.580066741	-0.580066741 ± 0.01	•
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	•
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0	0 ± 0.01	

Name	Input Value	
Rte Inst Ap TrqLOA	target Rte Inst Ap TrqLOA	
TrgLOA LatAccScaleFactor Uls M f32	0	
TrqLOA LatAccelSV q M Str.SV Uls f32	0.25	
TrqLOA LatAccelSV g M Str.K Uls f32	0.056499999	
TrgLOA ScaledMtrTrgCmd MtrNm M f32	-2.02841663	
TrgLOA TloaCmd MtrNm M f32	1.5	
TrqLOA TrqBasedScaleFactor Uls M f32	-0.587380052	
k TrqLOA AbsAssistThreshold MtrNm f32	10	
x_TrqLOA_AbsVelThreshold_MtrRadpS_f32	870.603333	
x_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-77.8179932	
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	8.33252239	
k_TrqLOA_FallingRampRate_UlspS_f32	-836.30304	
<pre><_TrqLOA_LatAccConversionFactor_Uls_f32</pre>	8.94236755	
c_TrqLOA_LimOutput_MtrNm_f32	7.69696569	
<pre><_TrqLOA_MaxScaleFactor_Uls_f32</pre>	0.534538507	
<pre><_TrqLOA_MinScaleFactor_Uls_f32</pre>	1	
<_TrqLOA_NomDrvTrq_MtrNm_f32	2.24155235	
<pre><_TrqLOA_RisingRampRate_UlspS_f32</pre>	618.881165	
C_TrqLOA_SteerRatio_Uls_f32	65.6973495	
<pre><_TrqLOA_UndersteerGrad_RadpG_f32</pre>	0.25	
x_TrqLOA_Wheelbase_M_f32	19.3650894	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	655	





Name	Input Value
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	2458
t2 TrqLOA DiffGainY Uls u1p15[0][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	6226
t2_TrqLOA_DiffGainY_UIs_u1p15[1][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	2458
t2_TrqLOA_DiffGainY_UIs_u1p15[1][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	6226
t2_TrqLOA_DiffGainY_UIs_u1p15[2][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	4915
t2_TrqLOA_DiffGainY_UIs_u1p15[2][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	6226 655
t2_TrqLOA_DiffGainY_UIs_u1p15[4][0]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1] t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	4915
t2_TrqLOA_DiliGainY_Uls_u1p15[4][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	655
t2 TrqLOA DiffGainY Uls u1p15[5][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	6226
t2 TrqLOA DiffGainY Uls u1p15[6][0]	655
t2_TrqLOA_DiffGainY_UIs_u1p15[6][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	6226
t2_TrqLOA_DiffGainY_UIs_u1p15[7][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	4915
t2_TrqLOA_DiffGainY_UIs_u1p15[7][3]	6226
t_TrqLOA_DiffGainX_G_u2p14[0]	10486
t_TrqLOA_DiffGainX_G_u2p14[1]	11469
t_TrqLOA_DiffGainX_G_u2p14[2]	12780
t_TrqLOA_DiffGainX_G_u2p14[3]	16384
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	8320
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	8640
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	8960
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	9280
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	9600
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	6554 9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1] t TrqLOA HighSpeedTrqBlend Y Uls u1p15[2]	13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	16384
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	19661
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	20480
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	21299
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	24576
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	25395
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	28672
t TrqLOA LatAccGain Y MtrNmpG u4p12[5]	29491
t TrqLOA LatAccGain Y MtrNmpG u4p12[6]	32768
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	33587
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	9830
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	16794
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	20070
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	18842
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	23347
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	24986
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	29082
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	28262
t_TrqLOA_X_Kph_u10p6[0]	18496
t_TrqLOA_X_Kph_u10p6[1]	18560
t_TrqLOA_X_Kph_u10p6[2]	18624
t_TrqLOA_X_Kph_u10p6[3]	18688
t_TrqLOA_X_Kph_u10p6[4]	18752
t_TrqLOA_X_Kph_u10p6[5]	18816
t_TrqLOA_X_Kph_u10p6[6]	18880
t_TrqLOA_X_Kph_u10p6[7] target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	18944
	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32
	tarnet Trol OA Peril LatAco MoSecSa f32
target_Rte_inst_Ap_TrqLOA.TrqLOA_Per1_HandwheerAdthoniny_Ois_132 target_Rte_inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32 target_Rte_inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAcc_MpSecSq_f32 target_TrqLOA_Per1_LatAccelValid_Cnt_lgc



TrqLOA_Per1

Name	Input Value		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelC	CRF_MtrRadpS_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwF	Pos_HwDeg_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc	target_TrqLOA_Per1_TrqLOA	Avail_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOA	.Cmd_MtrNm_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_Vehicle	SpeedValid_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_Vehicle	Speed_Kph_f32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0.86052227		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	2.73842812		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-879.002319		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	982.454895		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	25.6040649		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.0166650452	0.0166650433	~
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.239557073	0.239557073 ± 0.01	~
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	~
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	~
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.65038228	0.650382221 ± 0.01	~
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	~
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0	0 ± 0.01	~

Name	Input Value	
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA	
TrqLOA LatAccScaleFactor Uls M f32	1	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.300000012	
TrqLOA LatAccelSV g M Str.K Uls f32	0.057	
TrqLOA ScaledMtrTrqCmd MtrNm M f32	-0.0367079154	
TrqLOA_TloaCmd_MtrNm_M_f32	2	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	1.08809543	
<pre><_TrqLOA_AbsAssistThreshold_MtrNm_f32</pre>	4.15189934	
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	899.73584	
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-47.5227737	
TrgLOA DiffScaleRateLimiterRising UlspS f32	48.2107315	
TrgLOA FallingRampRate UlspS f32	-920.471436	
TrqLOA_I alling/tamp/tate_olspo_ls2 TrqLOA LatAccConversionFactor Uls f32	6.26204729	
<pre><_TrqLOA_LimOutput_MtrNm_f32</pre>	8.71106529	
<pre><_frqLOA_Limouput_MuMii_i32</pre> <pre><_frqLOA_MaxScaleFactor_Uls_f32</pre>	0.624129891	
<pre><_frqLOA_MinScaleFactor_Uls_f32</pre>	1	
<pre><_TrqLOA_NomDrvTrq_MtrNm_f32</pre>	6.76092386	
<pre>c_rrqLOA_RisingRampRate_UlspS_f32</pre>	200.202011	
<pre><_rrqLOA_SteerRatio_Uls_f32</pre>	18.3684654	
TrqLOA_SteerNatio_Gis_i32 TrqLOA UndersteerGrad RadpG f32	0.12909539	
CTrqLOA_OndersteerGrau_NaupG_I32	11.024827	
2 TrqLOA DiffGainY Uls u1p15[0][0]	6554	
2_TrqLOA_DiliGainY_Uls_u1p15[0][0] 2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	8192	
2_TrqLOA_DiliGainY_Uls_u1p15[0][1] 2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	9503	
	9830	
2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	6554	
2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	8192	
2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	9503	
2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	9830	
2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	6554	
2_TrqLOA_DiffGainY_Uls_u1p15[2][0]		
2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	8192	
2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	9503	
2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	9830	
2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	6554	
2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	8192	
2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	9503	
2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	9830	
2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	6554	
2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	8192	
2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	9503	
2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	9830	
I2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	6554	
2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	8192	
2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	9503	
2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	9830	
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	6554	

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Name	Input Value		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	8192		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	9503		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	9830		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	6554		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	8192		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	9503		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	9830		
t_TrqLOA_DiffGainX_G_u2p14[0]	12288		
t_TrqLOA_DiffGainX_G_u2p14[1]	13271		
t_TrqLOA_DiffGainX_G_u2p14[2]	14909		
t_TrqLOA_DiffGainX_G_u2p14[3]	19661		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	9920		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	10240		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	10560		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	10880		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	11200		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	6554		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	9830		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	13107		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	16384		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	19661		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	36864		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	37683		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	40960		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	41779		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	45056		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	45875		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	49152		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	49971		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	10650		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	18022		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	20890		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	19251		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	24166		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	25805		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	30310		
t_TrqLOA_Y_(state_vt40=0f8)	29082		
t_TrqLOA_X_Kph_u10p6[0]	19008		
t_TrqLOA_X_Kph_u10p6[1]	19072		
t_TrqLOA_X_Kph_u10p6[2]	19136 19200		
t_TrqLOA_X_Kph_u10p6[3] t_TrqLOA_X_Kph_u10p6[4]	19264		
t_TrqLOA_X_Kph_u10p6[5]	19328		
t_TrqLOA_X_Kph_u10p6[6]	19392		
t_TrqLOA_X_Kph_u10p6[7]	19456		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target TrqLOA Per1 HandwheelAu	thority I lls f32	
target Rte Inst Ap TrqLOA.TrqLOA Per1 LatAcc MpSecSq f32	target TrqLOA Per1 LatAcc MpSe	,	
target Rte Inst Ap TrqLOA.TrqLOA Per1 LatAccelValid Cnt Igc	target TrqLOA Per1 LatAccelValid	_	
target Rte Inst Ap TrqLOA.TrqLOA Per1 MotAgLoaMtgtnEn Cnt Igc	target_TrqLOA_Per1_MotAgLoaMtg	·	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_M		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_H	. –	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOAAvail_		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSpeed		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpeed		
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	1	·	
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	4.49196005		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	0		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	1114.62451		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	209.250259		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	97.9906311		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.904954433	0.904954433	~
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.324104011	0.324103981 ± 0.01	✓
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	~
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	✓
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	1	1 ± 0.01	~
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	✓
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0 ± 0.01

target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value





Test Step 2.90 (Repeat Count = 1)	
Name	Input Value
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.5
TrqLOA LatAccelSV g M Str.SV Uls f32	0.349999994
TrqLOA LatAccelSV g M Str.K Uls f32	0.057500001
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-4.81868219
TrqLOA_TloaCmd_MtrNm_M_f32	2.5
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.845299244
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	4.57784653
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	472.337891
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-90.0598679
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	8.68444347 -755.761414
k_TrqLOA_FallingRampRate_UlspS_f32 k_TrqLOA_LatAccConversionFactor_Uls_f32	8.26955414
k TrqLOA LimOutput MtrNm f32	0.397318661
k_TrqLOA_MaxScaleFactor_Uls_f32	1
k_TrqLOA_MinScaleFactor_Uls_f32	1
k_TrqLOA_NomDrvTrq_MtrNm_f32	3.62188888
k_TrqLOA_RisingRampRate_UlspS_f32	803.915405
k_TrqLOA_SteerRatio_Uls_f32	96.2621002
k_TrqLOA_UndersteerGrad_RadpG_f32	0.25
k_TrqLOA_Wheelbase_M_f32	17.511282
t2_TrqLOA_DiffGainY_UIs_u1p15[0][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	12124
t2_TrqLOA_DiffGainY_UIs_u1p15[0][2]	12780 13107
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3] t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	10158
t2_TrqLOA_DiffGainY_UIs_u1p15[3][1]	12124 12780
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2] t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	13107
t2 TrqLOA DiffGainY Uls u1p15[4][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	12780
t2_TrqLOA_DiffGainY_UIs_u1p15[5][3]	13107 10158
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0] t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	12124
t2_TrqLOA_DiffGainY_UIs_u1p15[7][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	13107
t_TrqLOA_DiffGainX_G_u2p14[0]	14090
t_TrqLOA_DiffGainX_G_u2p14[1]	15073
t_TrqLOA_DiffGainX_G_u2p14[2]	17039
t_TrqLOA_DiffGainX_G_u2p14[3]	22938 11520
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0] t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	11520
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	12160
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	12480
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	12800
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	6554
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	16384
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	19661
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	53248 54067
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1] t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	56115
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	56934
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Name	Input Value		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	58163		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	60211		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	60621		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	61030		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	11469		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	19251		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	21709		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	19661		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	24986		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	26624		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	31539		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	29901		
t_TrqLOA_X_Kph_u10p6[0]	19520		
t_TrqLOA_X_Kph_u10p6[1]	19584		
t_TrqLOA_X_Kph_u10p6[2]	19648		
t_TrqLOA_X_Kph_u10p6[3]	19712		
t_TrqLOA_X_Kph_u10p6[4]	19776		
t_TrqLOA_X_Kph_u10p6[5]	19840		
t_TrqLOA_X_Kph_u10p6[6]	19904		
t_TrqLOA_X_Kph_u10p6[7]	19968		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecSq_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelValid_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_HwDeg_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc	target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpeed_Kph_f32		
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	1		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	10		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	0		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-1499.44763		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-449.797333		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	240.174683		
Name	Actual Value E	xpected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.319880247 0.	.319880277	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.313625991 0.	.313626021 ± 0.01	•
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-0.00994124915 -0	0.00994118024 ± 0.01	•
TrqLOA_TloaCmd_MtrNm_M_f32	-0.00994124915 -0	0.00994118024 ± 0.01	•
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	1 1	± 0.01	•
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0 0		•
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	-0.00994124915 -0	0.00994118024 ± 0.01	

Name	Input Value	
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA	
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.129279494	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.40000006	
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0579999983	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0.135285273	
TrqLOA_TloaCmd_MtrNm_M_f32	3	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.660296857	
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	2.59572077	
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	960.220276	
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-100	
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	6.87579203	
k_TrqLOA_FallingRampRate_UlspS_f32	-798.818298	
k_TrqLOA_LatAccConversionFactor_Uls_f32	0.59114337	
k_TrqLOA_LimOutput_MtrNm_f32	3.79040265	
k_TrqLOA_MaxScaleFactor_Uls_f32	0.416683078	
k_TrqLOA_MinScaleFactor_Uls_f32	1	
k_TrqLOA_NomDrvTrq_MtrNm_f32	8.11925507	
k_TrqLOA_RisingRampRate_UlspS_f32	636.934875	
k_TrqLOA_SteerRatio_Uls_f32	23.6102524	
k_TrqLOA_UndersteerGrad_RadpG_f32	0.050837025	
k_TrqLOA_Wheelbase_M_f32	16.4986668	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	13763	





Name	Input Value
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	15729 17039
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2] t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[4][2] t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	17039 19661
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	13763
t2 TrqLOA DiffGainY Uls u1p15[5][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	19661
t_TrqLOA_DiffGainX_G_u2p14[0] t_TrqLOA_DiffGainX_G_u2p14[1]	15892 16876
t_TrqLOA_DiffGainX_G_u2p14[1]	19169
t_TrqLOA_DiffGainX_G_u2p14[3]	26214
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	13120
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	13440
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	13760
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	14080
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	14400
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	6554
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	16384
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4] t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	19661 4096
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	4915
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	8192
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	9011
t TrqLOA LatAccGain Y MtrNmpG u4p12[4]	12288
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	13107
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	16384
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	17203
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	12288
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	20480
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	22528
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	20070
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	25805 27443
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5] t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	32768
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	30720
t_TrqLOA_X_Kph_u10p6[0]	20032
t_TrqLOA_X_Kph_u10p6[1]	20096
t_TrqLOA_X_Kph_u10p6[2]	20160
t_TrqLOA_X_Kph_u10p6[3]	20224
t_TrqLOA_X_Kph_u10p6[4]	20288
t_TrqLOA_X_Kph_u10p6[5]	20352
t_TrqLOA_X_Kph_u10p6[6]	20416
t_TrqLOA_X_Kph_u10p6[7]	20480
target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_HandwheelAuthority_UIs_f32	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecSq_f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelValid_Cnt_lgc



TrqLOA_Per1

Name	Input Value			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCl	target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPo	target_TrqLOA_Per1_RelHwPos_HwDeg_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc	target_TrqLOA_Per1_TrqLOAA	Avail_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOA0	Cmd_MtrNm_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleS	peedValid_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleS	peed_Kph_f32		
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	1			
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-4.99093819			
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	1			
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	0			
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-1006.96851			
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-166.982742			
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	0			
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	111.591278			
Name	Actual Value	Expected Value	Result	
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.143031076	0.143031076	✓	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.344146997	0.344146967 ± 0.01	✓	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	✓	
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	✓	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	1	1 ± 0.01	✓	
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	✓	
target TrgLOA Per1 TrgLOACmd MtrNm f32.value	0	0 ± 0.01	✓	

Name	Input Value	
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA	
TrqLOA LatAccScaleFactor Uls M f32	0.255068064	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.44999988	
TrqLOA LatAccelSV g M Str.K Uls f32	0.0584999993	
TrqLOA ScaledMtrTrqCmd MtrNm M f32	-6.31325054	
TrqLOA_TloaCmd_MtrNm_M_f32	3.5	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-1.35702264	
<pre><_TrqLOA_AbsAssistThreshold_MtrNm_f32</pre>	4.46745205	
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	315.445374	
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	0	
TrgLOA DiffScaleRateLimiterRising UlspS f32	13.651783	
k TrqLOA FallingRampRate UlspS f32	-583.929688	
k TrgLOA_r allingreampreace_oispo_isz	0.662795782	
k_TrqLOA_LimOutput_MtrNm_f32	3.74312067	
k_TrqLOA_Emoutput_Mannin_i32	0.670689344	
k_TrqLOA_MinScaleFactor_Uls_f32	1	
k_TrqLOA_NomDrvTrq_MtrNm_f32	8.77387238	
k_TrqLOA_RisingRampRate_UlspS_f32	146.835037	
k_TrqLOA_SteerRatio_Uls_f32	52.2286301	
k TrqLOA_Gleen\alio_Gls_i32	0.25	
k TrqLOA_UndersteerGrau_reaupg_lb2	14.1650209	
t2 TrqLOA_WifeGinaSe_W_IS2 t2 TrqLOA DiffGainY Uls u1p15[0][0]	17367	
t2_TrqLOA_DiliGainY_Uis_u1p15[0][0] t2_TrqLOA_DiffGainY_Uis_u1p15[0][1]	19333	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	21299	
	26214	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	17367	
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	19333	
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	21299	
I2_TrqLOA_DiffGainY_UIs_u1p15[1][2]	26214	
I2_TrqLOA_DiffGainY_UIs_u1p15[1][3]		
12_TrqLOA_DiffGainY_Uls_u1p15[2][0]	17367	
t2_TrqLOA_DiffGainY_UIs_u1p15[2][1]	19333	
12_TrqLOA_DiffGainY_UIs_u1p15[2][2]	21299	
2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	26214	
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	17367	
2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	19333	
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	21299	
2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	26214	
2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	17367	
2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	19333	
2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	21299	
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	26214	
I2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	17367	
2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	19333	
2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	21299	
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	26214	
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	17367	

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Name	Input Value		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	19333		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	21299		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	26214		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	17367		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	19333		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	21299		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	26214		
t_TrqLOA_DiffGainX_G_u2p14[0]	17695		
t_TrqLOA_DiffGainX_G_u2p14[1]	18678		
t_TrqLOA_DiffGainX_G_u2p14[2]	21299		
t_TrqLOA_DiffGainX_G_u2p14[3]	29491		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	14720		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	15040		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	15360		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	15680		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	16000		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	6554		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	9830		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	13107		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	16384		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	19661		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	20480		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	21299		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	24576		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	25395		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	28672		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	29491		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	32768		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	33587		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	13107		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	21709		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	23347		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	20480		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	26624		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	28262		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	33997		
t_TrqLOA_Y_(6-b_v=10-000)	31539		
t_TrqLOA_X_Kph_u10p6[0]	20544		
t_TrqLOA_X_Kph_u10p6[1]	20608		
t_TrqLOA_X_Kph_u10p6[2] t TrqLOA_X_Kph_u10p6[3]	2072		
t_TrqLOA_X_Kph_u10p6[4]	20800		
t_TrqLOA_X_Kph_u10p6[5]	20864		
t_TrqLOA_X_Kph_u10p6[6]	20928		
t_TrqLOA_X_Kph_u10p6[7]	20992		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_Handwheel	Authority Ille f32	
target Rte Inst Ap TrqLOA.TrqLOA Per1 LatAcc MpSecSq f32	target TrqLOA Per1 LatAcc Mp		
target Rte Inst Ap TrqLOA.TrqLOA Per1 LatAccelValid Cnt Igc	target TrqLOA Per1 LatAccelVa	-	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaN	,	
target Rte Inst Ap TrqLOA.TrqLOA Per1 MtrVelCRF MtrRadpS f32	target_TrqLOA_Per1_MtrVelCRF		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc	target_TrqLOA_Per1_TrqLOAAva		
target Rte Inst Ap TrqLOA.TrqLOA Per1 TrqLOACmd MtrNm f32	target TrqLOA Per1 TrqLOACm		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSpe		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpe		
target TrqLOA Per1 HandwheelAuthority Uls f32.value	0.925960064		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-8.88921642		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-690.256348		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-59.5044174		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	83.4352417		
Name	Actual Value	Expected Value	Result
TrgLOA LatAccScaleFactor Uls M f32	0.28237164	0.28237164	- Itobali
TrqLOA LatAccelSV g M Str.SV Uls f32	0.42138809	0.42138809 ± 0.01	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	-
TrqLOA TrqBasedScaleFactor Uls M f32	-1.06335258	-1.06335258 ± 0.01	
target TrqLOA Per1 TrqLOAAvail Cnt Igc.value	0	0	-

0

0 ± 0.01

target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value





Test Step 2.93 (Repeat Count = 1)	Innut Value
Name Bto Jost Ap Trei OA	Input Value
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.566056848
TrqLOA_LatAcceISV_g_M_Str.SV_UIs_f32 TrqLOA_LatAcceISV_g_M_Str.K_UIs_f32	0.0590000004
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-8.7202425
TrqLOA_Goalculut rqoma_warvin_w_isz	4
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-1.6505841
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	7.63869667
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	481.34079
k TrqLOA DiffScaleRateLimiterFalling UlspS f32	-50.5
k TrqLOA DiffScaleRateLimiterRising UlspS f32	58.7112007
k_TrqLOA_FallingRampRate_UlspS_f32	-797.56189
k_TrqLOA_LatAccConversionFactor_Uls_f32	0.5323295
k_TrqLOA_LimOutput_MtrNm_f32	8.80000019
k_TrqLOA_MaxScaleFactor_Uls_f32	1
k_TrqLOA_MinScaleFactor_Uls_f32	1
k_TrqLOA_NomDrvTrq_MtrNm_f32	5.407372
k_TrqLOA_RisingRampRate_UlspS_f32	773.946106
k_TrqLOA_SteerRatio_Uls_f32	53.1349716
k_TrqLOA_UndersteerGrad_RadpG_f32	0.25
k_TrqLOA_Wheelbase_M_f32	10.3741779
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	4915 6226
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1] t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	4915
t2_rrqLOA_biffGainY_bis_urp15[4][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	655
t2_frqLOA_DiffGainY_Uls_u1p15[5][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	2458
t2 TrgLOA DiffGainY Uls u1p15[6][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	6226
t2_TrqLOA_DiffGainY_UIs_u1p15[7][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	6226
t_TrqLOA_DiffGainX_G_u2p14[0]	328
t_TrqLOA_DiffGainX_G_u2p14[1]	1229
t_TrqLOA_DiffGainX_G_u2p14[2]	2458
t_TrqLOA_DiffGainX_G_u2p14[3]	3113
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	16320
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	16640
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	16960
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	17280
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	17600
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	6554
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	16384
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	19661
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	36864
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	37683
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	40960
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	41779





Name	Input Value		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	45056		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	45875		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	49152		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	49971		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	13926		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	22938		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	24166		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	20890		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	27443		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	29082		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	35226		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	32358		
t_TrqLOA_X_Kph_u10p6[0]	21056		
t_TrqLOA_X_Kph_u10p6[1]	21120		
t_TrqLOA_X_Kph_u10p6[2]	21184		
t_TrqLOA_X_Kph_u10p6[3]	21248		
t_TrqLOA_X_Kph_u10p6[4]	21312		
t_TrqLOA_X_Kph_u10p6[5]	21376		
t_TrqLOA_X_Kph_u10p6[6]	21440		
t_TrqLOA_X_Kph_u10p6[7]	21504		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuth	nority_Uls_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSec	Sq_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelValid_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_HwDeg_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpeed_I	Kph_f32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0.7069453		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	9.23353577		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	1729.34595		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-873.518066		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	481.622101		
Name	Actual Value	Expected Value	Result
TrqLOA LatAccScaleFactor Uls M f32	0.465056837	0.465056837	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.404291272	0.404291272 ± 0.01	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-0	0 ± 0.01	
TrqLOA_TloaCmd_MtrNm_M_f32	-0	0 ± 0.01	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-0.10269177	-0.102691986 ± 0.01	
target TrqLOA Per1 TrqLOAAvail Cnt Igc.value	0	0	
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	-0	0 ± 0.01	

Name	Input Value	
Rte Inst Ap TrqLOA	target Rte Inst Ap TrqLOA	
TrqLOA LatAccScaleFactor Uls M f32	0.853895903	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.649999976	
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0604999997	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-8.17680073	
TrqLOA_TloaCmd_MtrNm_M_f32	-8.80000019	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-1.05647099	
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	0.512650967	
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	725.99292	
<_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-13.2423515	
<_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	61.5206985	
<_TrqLOA_FallingRampRate_UlspS_f32	-610.38031	
<pre><_TrqLOA_LatAccConversionFactor_Uls_f32</pre>	9.95821857	
<_TrqLOA_LimOutput_MtrNm_f32	8.15451336	
k_TrqLOA_MaxScaleFactor_Uls_f32	1	
C_TrqLOA_MinScaleFactor_Uls_f32	1	
C_TrqLOA_NomDrvTrq_MtrNm_f32	3.30371237	
<pre>c_TrqLOA_RisingRampRate_UlspS_f32</pre>	337.182373	
C_TrqLOA_SteerRatio_Uls_f32	20.3444614	
c_TrqLOA_UndersteerGrad_RadpG_f32	0.245641321	
c_TrqLOA_Wheelbase_M_f32	5.30176973	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	6554	





Name	Input Value
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	8192
t2 TrqLOA DiffGainY Uls u1p15[0][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	9830
t2_TrqLOA_DiffGainY_UIs_u1p15[1][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	9830
t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	9830
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	9830
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	9503
t2_TrqLOA_DiffGainY_UIs_u1p15[4][3]	9830
t2_TrqLOA_DiffGainY_UIs_u1p15[5][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3] t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	9830 6554
tz_IrqLOA_DiffGainY_Uis_u1p15[6][0] t2_TrqLOA_DiffGainY_Uis_u1p15[6][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	9830
t2 TrqLOA DiffGainY Uls u1p15[7][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	9830
t_TrqLOA_DiffGainX_G_u2p14[0]	3277
t_TrqLOA_DiffGainX_G_u2p14[1]	4096
t_TrqLOA_DiffGainX_G_u2p14[2]	4751
t_TrqLOA_DiffGainX_G_u2p14[3]	4915
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	17920
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	18240
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	18560
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	18880
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	19200
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	6554
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	16384
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	19661
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	53248
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	54067
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	56115
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	56934
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	58163
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5] t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	60211 60621
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	61030
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	4096
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	8192
t TrqLOA TempTrqCmdSatYTbl MtrNm u4p12[2]	14336
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	15974
t TrqLOA TempTrqCmdSatYTbl MtrNm u4p12[4]	17613
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	19251
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	20480
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	22528
t_TrqLOA_X_Kph_u10p6[0]	21568
t_TrqLOA_X_Kph_u10p6[1]	21632
t_TrqLOA_X_Kph_u10p6[2]	21696
t_TrqLOA_X_Kph_u10p6[3]	21760
t_TrqLOA_X_Kph_u10p6[4]	21824
t_TrqLOA_X_Kph_u10p6[5]	21888
t_TrqLOA_X_Kph_u10p6[6]	21952
t_TrqLOA_X_Kph_u10p6[7]	22016
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecSq_f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelValid_Cnt_lgc
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc





Name	Input Value		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos	s_HwDeg_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc	target_TrqLOA_Per1_TrqLOAA	/ail_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOAC	md_MtrNm_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc	target_TrqLOA_Per1_VehicleSp	eedValid_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSp	eed_Kph_f32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0.111186981		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	5.03819704		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	0		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	1083.06836		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	891.086304		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	150.260559		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.827411175	0.827411175	✓
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.778555155	0.778555155 ± 0.01	✓
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	✓
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	~
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-0.382106185	-0.382106274 ± 0.01	~
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	~
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0	0 ± 0.01	~

ame te_inst_Ap_TrqLOA		
	Input Value target_Rte_Inst_Ap_TrqLOA	
rqLOA LatAccScaleFactor Uls M f32	0.820842862	
rqLOA_LatAccelSV g M Str.SV Uls f32	0.100000001	
rqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0610000007	
rqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0.689402282	
rqLOA_ScaledwithqCind_withNii_M_i32	8.80000019	
rqLOA_rioachid_MithIm_M_is2	-1.40844035	
_TrqLOA_AbsAssistThreshold_MtrNm_f32	0.814378321	
TrqLOA AbsVelThreshold MtrRadpS f32	626.317505	
TrqLOA_AbsverTrieshold_MitrRadp5_132 TrqLOA DiffScaleRateLimiterFalling UlspS f32	-20.6574211	
	38.2228584	
_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	-506.817291	
_TrqLOA_FallingRampRate_UlspS_f32		
_TrqLOA_LatAccConversionFactor_Uls_f32	3.60301948	
_TrqLOA_LimOutput_MtrNm_f32	1.56273842	
_TrqLOA_MaxScaleFactor_Uls_f32	0.758953691	
_TrqLOA_MinScaleFactor_Uls_f32	1	
_TrqLOA_NomDrvTrq_MtrNm_f32	0.133917198	
_TrqLOA_RisingRampRate_UlspS_f32	36.966835	
_TrqLOA_SteerRatio_Uls_f32	91.9759598	
_TrqLOA_UndersteerGrad_RadpG_f32	0.0435394794	
_TrqLOA_Wheelbase_M_f32	12.1447191	
_TrqLOA_DiffGainY_Uls_u1p15[0][0]	10158	
TrqLOA_DiffGainY_Uls_u1p15[0][1]	12124	
TrqLOA_DiffGainY_Uls_u1p15[0][2]	12780	
_TrqLOA_DiffGainY_Uls_u1p15[0][3]	13107	
TrqLOA_DiffGainY_Uls_u1p15[1][0]	10158	
TrqLOA_DiffGainY_Uls_u1p15[1][1]	12124	
_TrqLOA_DiffGainY_Uls_u1p15[1][2]	12780	
_TrqLOA_DiffGainY_Uls_u1p15[1][3]	13107	
_TrqLOA_DiffGainY_Uls_u1p15[2][0]	10158	
_TrqLOA_DiffGainY_Uls_u1p15[2][1]	12124	
_TrqLOA_DiffGainY_Uls_u1p15[2][2]	12780	
_TrqLOA_DiffGainY_Uls_u1p15[2][3]	13107	
_TrqLOA_DiffGainY_Uls_u1p15[3][0]	10158	
_TrqLOA_DiffGainY_Uls_u1p15[3][1]	12124	
_TrqLOA_DiffGainY_Uls_u1p15[3][2]	12780	
_TrqLOA_DiffGainY_Uls_u1p15[3][3]	13107	
_TrqLOA_DiffGainY_Uls_u1p15[4][0]	10158	
_TrqLOA_DiffGainY_Uls_u1p15[4][1]	12124	
_TrqLOA_DiffGainY_Uls_u1p15[4][2]	12780	
_TrqLOA_DiffGainY_Uls_u1p15[4][3]	13107	
	10158	
TrqLOA_DiffGainY_Uls_u1p15[5][1]	12124	
	12780	
TrqLOA_DiffGainY_Uls_u1p15[5][3]	13107	
TrqLOA_DiffGainY_UIs_u1p15[6][0]	10158	

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Name	Input Value		
t2_TrqLOA_DiffGainY_UIs_u1p15[6][1]	12124		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	12780		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	13107		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	10158		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	12124 12780		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	13107		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3] t_TrqLOA_DiffGainX_G_u2p14[0]	5079		
t_TrqLOA_DiffGainX_G_u2p14[1]	6062		
t_TrqLOA_DiffGainX_G_u2p14[2]	6390		
t_TrqLOA_DiffGainX_G_u2p14[3]	6554		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	19520		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	19840		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	20160		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	20480		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	20800		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	6554		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	9830		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	13107		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	16384		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	19661		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	4096		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1] t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	4915 8192		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	9011		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	12288		
t TrqLOA LatAccGain Y MtrNmpG u4p12[5]	13107		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	16384		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	17203		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	4915		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	9421		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	15155		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	16384		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	18432		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	20070		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	21709		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	23347		
t_TrqLOA_X_Kph_u10p6[0]	22080		
t_TrqLOA_X_Kph_u10p6[1]	22144		
t_TrqLOA_X_Kph_u10p6[2] t TrqLOA_X_Kph_u10p6[3]	22208 22272		
t_TrqLOA_X_Kph_u10p6[4]	22336		
t TrgLOA X Kph u10p6[5]	22400		
t TrqLOA X Kph u10p6[6]	22464		
t_TrqLOA_X_Kph_u10p6[7]	22528		
target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAu	uthority Uls f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSe		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelValid		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMtg	gtnEn_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_M	/trRadpS_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_H		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOAAvail_		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSpeed		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpeed	1_Kph_f32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0.48769033		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value target_TrqLOA_Per1_LatAccelValid_Cnt_lqc.value	4.00134468		
target_IrqLOA_Per1_LatAccelValid_Cnt_lgc.value target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	44.0692482		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-453.635742		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	352.271149		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.779528022	0.779528022	
TrqLOA_LatAccelSV_g_M_Str.SV_UIs_f32	9.90182161e-005	9.89999971e-005 ± 0.01	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-0	0 ± 0.01	
TrqLOA_TloaCmd_MtrNm_M_f32	-0	0 ± 0.01	•
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-1.33450663	-1.33450663 ± 0.01	•
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	•
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	-0	0 ± 0.01	



Test Step 2.96 (Repeat Count = 1)	Innut Value
Name	Input Value
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA
TrqLOA_LatAccScaleFactor_Uls_M_f32 TrqLOA_LatAccelSV g M Str.SV Uls f32	0.0248603821 0.150000006
TrqLOA_LatAccelSV g M Str.K Uls f32	0.0615000017
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-0.339883894
TrqLOA_TloaCmd_MtrNm_M_f32	5.5
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	2
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	6.36726522
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	911.841431
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-74.932785
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	44.4180794
k_TrqLOA_FallingRampRate_UlspS_f32	-766.490967 0.63406455
k_TrqLOA_LatAccConversionFactor_Uls_f32 k_TrqLOA_LimOutput_MtrNm_f32	9.63106155 4.86935091
k_TrqLOA_EIIIOdipdi_MitNIII_132 k_TrqLOA_MaxScaleFactor_Uls_f32	0.750078678
k_TrqLOA_MinScaleFactor_Uls_f32	0.230521441
k_TrqLOA_NomDrvTrq_MtrNm_f32	8.80000019
k_TrqLOA_RisingRampRate_UlspS_f32	815.11554
k_TrqLOA_SteerRatio_Uls_f32	12.7931366
k_TrqLOA_UndersteerGrad_RadpG_f32	0.25
k_TrqLOA_Wheelbase_M_f32	4.11181211
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	13763
t2_TrqLOA_DiffGainY_UIs_u1p15[0][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[0][2] t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	17039 19661
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	19661
t2_TrqLOA_DiffGainY_UIs_u1p15[3][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1] t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	15729 17039
t2_TrqLOA_DiliGainY_Uis_u1p15[3][2] t2_TrqLOA_DiffGainY_Uis_u1p15[3][3]	19661
t2_TrqLOA DiffGainY Uls u1p15[4][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	17039
t2_TrqLOA_DiffGainY_UIs_u1p15[5][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	13763 15729
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1] t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	19661
t_TrqLOA_DiffGainX_G_u2p14[0]	6881
t_TrqLOA_DiffGainX_G_u2p14[1]	7864
t_TrqLOA_DiffGainX_G_u2p14[2]	8520
t_TrqLOA_DiffGainX_G_u2p14[3]	9830
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0] t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	21120 21440
t_TrqLOA_highSpeedTrqBlend_X_Kph_u10p6[1] t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	21760
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	22080
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	22400
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	16384
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	19661
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	22938
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	20480
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	21299 24576
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	





Name	Input Value		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	28672		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	29491		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	32768		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	33587		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	5734		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	10650		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	15974		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	16794		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	19251		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	20890		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	22938		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	24166		
t_TrqLOA_X_Kph_u10p6[0]	22592		
t_TrqLOA_X_Kph_u10p6[1]	22656		
t_TrqLOA_X_Kph_u10p6[2]	22720		
t_TrqLOA_X_Kph_u10p6[3]	22784		
t_TrqLOA_X_Kph_u10p6[4]	22848		
t_TrqLOA_X_Kph_u10p6[5]	22912		
t_TrqLOA_X_Kph_u10p6[6]	22976		
t_TrqLOA_X_Kph_u10p6[7]	23040		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecSq_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelValid_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_HwDeg_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc	target_TrqLOA_Per1_VehicleSpee	dValid_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpee	d_Kph_f32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	1		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	3.06545424		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	1268.74792		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-652.664185		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	408.58313		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.113696545	0.113696545	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	-0.075556621	-0.0755565986 ± 0.01	•
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-0.219296321	-0.219296351 ± 0.01	
TrqLOA_TloaCmd_MtrNm_M_f32	-0.219296321	-0.219296351 ± 0.01	•
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.467018008	0.467018098 ± 0.01	•
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	•
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	-0.219296321	-0.219296351 ± 0.01	

Name	Input Value	
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA	
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.473232627	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.20000003	
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.061999999	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-5.3724966	
TrqLOA_TloaCmd_MtrNm_M_f32	0	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.422920167	
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	5.39689827	
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	283.463959	
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-67.6074982	
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	33.8648224	
k_TrqLOA_FallingRampRate_UlspS_f32	-953.82843	
k_TrqLOA_LatAccConversionFactor_Uls_f32	10	
k_TrqLOA_LimOutput_MtrNm_f32	6.99315357	
k_TrqLOA_MaxScaleFactor_Uls_f32	1	
k_TrqLOA_MinScaleFactor_Uls_f32	1	
k_TrqLOA_NomDrvTrq_MtrNm_f32	8.80000019	
k_TrqLOA_RisingRampRate_UlspS_f32	537.350464	
k_TrqLOA_SteerRatio_Uls_f32	11.9565916	
k_TrqLOA_UndersteerGrad_RadpG_f32	0.190257654	
k_TrqLOA_Wheelbase_M_f32	15.0664587	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	17367	





Name	Input Value
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3] t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	26214 17367
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	19333
t2 TrgLOA DiffGainY Uls u1p15[2][1]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	19333
t2_TrqLOA_DiffGainY_UIs_u1p15[4][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1] t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	19333 21299
t2_TrqLOA_DiliGainY_Uls_u1p15[5][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	26214
t_TrqLOA_DiffGainX_G_u2p14[0]	8684
t_TrqLOA_DiffGainX_G_u2p14[1]	9667
t_TrqLOA_DiffGainX_G_u2p14[2]	10650
t_TrqLOA_DiffGainX_G_u2p14[3]	13107 22720
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0] t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	23040
t_TrqLOA_highSpeedTrqBlend_X_Kph_u10p6[2]	23360
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	23680
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	24000
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	16384
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	19661
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	22938
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	36864
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	37683
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	40960
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	41779 45056
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4] t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	45875
t TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	49152
t TrqLOA_LatAccGain Y MtrNmpG_u4p12[7]	49971
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	6554
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	11878
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	16794
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	17203
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	20070
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	21709
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	24166
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	24986
t_TrqLOA_X_Kph_u10p6[0]	23104
t_TrqLOA_X_Kph_u10p6[1]	23168
t_TrqLOA_X_Kph_u10p6[2]	23232 23296
t_TrqLOA_X_Kph_u10p6[3] t_TrqLOA_X_Kph_u10p6[4]	23360
t_TrqLOA_X_Kph_u10p6[5]	23424
t_TrqLOA_X_Kph_u10p6[6]	23488
t_TrqLOA_X_Kph_u10p6[7]	23552
target_Rte_Inst_Ap_TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecSq_f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelValid_Cnt_lgc
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc





Name	Input Value			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos	target_TrqLOA_Per1_RelHwPos_HwDeg_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc	target_TrqLOA_Per1_TrqLOAA	vail_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOAC	md_MtrNm_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc	target_TrqLOA_Per1_VehicleSp	peedValid_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSp	peed_Kph_f32		
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0.12183249			
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-9.55003071			
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	1			
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1			
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-1979.64465			
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	12.6925011			
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	0			
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	140.615936			
Name	Actual Value	Expected Value	Result	
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.540962279	0.540962279	~	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.191600814	0.191600814 ± 0.01	✓	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	✓	
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	~	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	1	1 ± 0.01	<u> </u>	
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	✓	
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0	0 ± 0.01	✓	

Name	Input Value	
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA	
rgLOA LatAccScaleFactor Uls M f32	0.821841478	
rqLOA_LatAccelSV g M Str.SV Uls f32	0.25	
·	0.25	
rqLOA_LatAccelSV_g_M_Str.K_Uls_f32	-4.27574492	
rqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-4.2/5/4492 5.5	
FrqLOA_TloaCmd_MtrNm_M_f32	2	
TrgLOA_TrgBasedScaleFactor_Uls_M_f32	10	
TrqLOA_AbsAssistThreshold_MtrNm_f32		
TrqLOA_AbsVelThreshold_MtrRadpS_f32	920.951111	
TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-83.8934708	
TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	85.6148682	
TrqLOA_FallingRampRate_UlspS_f32	-57.8031731	
TrqLOA_LatAccConversionFactor_Uls_f32	8.28598976	
TrqLOA_LimOutput_MtrNm_f32	7.97832537	
_TrqLOA_MaxScaleFactor_Uls_f32	0.560720205	
_TrqLOA_MinScaleFactor_Uls_f32	0.692810535	
_TrqLOA_NomDrvTrq_MtrNm_f32	5.78577137	
_TrqLOA_RisingRampRate_UlspS_f32	143.039902	
_TrqLOA_SteerRatio_Uls_f32	23.3712559	
_TrqLOA_UndersteerGrad_RadpG_f32	0.25	
_TrqLOA_Wheelbase_M_f32	10.1034899	
2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	655	
2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	2458	
2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	4915	
2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	6226	
2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	655	
2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	2458	
2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	4915	
2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	6226	
2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	655	
2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	2458	
2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	4915	
2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	6226	
2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	655	
2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	2458	
2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	4915	
2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	6226	
2_TrqLOA_DiffGainY_UIs_u1p15[4][0]	655	
2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	2458	
2 TrqLOA DiffGainY Uls u1p15[4][2]	4915	
	6226	
	655	
2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	2458	
2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	4915	
rqLoA_DiffGainY_Uls_u1p15[5][3]	6226	
_ ,	655	

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No	L. W.L.		
Name	Input Value		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	2458		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	4915		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	6226		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	655		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	2458		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	4915		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	6226		
t_TrqLOA_DiffGainX_G_u2p14[0]	10486		
t TrqLOA DiffGainX G u2p14[1]	11469		
t TrqLOA DiffGainX G u2p14[2]	12780		
t_TrqLOA_DiffGainX_G_u2p14[3]	16384		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	9920		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	10240		
t TrqLOA HighSpeedTrqBlend X Kph u10p6[2]	10560		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	10880		
	11200		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]			
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	9830		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	13107		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	16384		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	19661		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	22938		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	53248		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	54067		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	56115		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	56934		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	58163		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	60211		
t TrqLOA LatAccGain Y MtrNmpG u4p12[6]	60621		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	61030		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	7373		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	13107		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	17613		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	17613		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	20890		
	22528		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	25395		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	25805		
t_TrqLOA_X_Kph_u10p6[0]	23616		
t_TrqLOA_X_Kph_u10p6[1]	23680		
t_TrqLOA_X_Kph_u10p6[2]	23744		
t_TrqLOA_X_Kph_u10p6[3]	23808		
t_TrqLOA_X_Kph_u10p6[4]	23872		
t_TrqLOA_X_Kph_u10p6[5]	23936		
t_TrqLOA_X_Kph_u10p6[6]	24000		
t_TrqLOA_X_Kph_u10p6[7]	24064		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAutho	rity_Uls_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecSe	q_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target TrqLOA Per1 LatAccelValid Cr	nt Igc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMtgtnE		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrR		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_HwDe	. –	
target Rte Inst Ap TrqLOA.TrqLOA Per1 TrqLOAAvail Cnt Igc	target_TrqLOA_Per1_TrqLOAAvail_Cn		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_Mtr		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSpeedVal		
target_Rte_inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpeed_K		
	0.780582905	μι_ισε	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value			
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	10		
target_TrqLOA_Per1_LatAccelValid_Cnt_Igc.value	0		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-1763.45972		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-312.254303		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	185.611267		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.654054523	0.654054523	~
TrqLOA LatAccelSV g M Str.SV UIs f32	0.183643296	0.183643296 ± 0.01	✓
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-0.824145436	-0.824145436 ± 0.01	~
TrqLOA_TloaCmd_MtrNm_M_f32	-0.824145436	-0.824145436 ± 0.01	•
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	1.88439369	1.88439369 ± 0.01	_
target TrqLOA Per1 TrqLOAAvail Cnt Igc.value	0	0	-
tangot_inquor_i ori_inquoravall_orit_igo.value			

-0.824145436

target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value

-0.824145436 ± 0.01



Report April 10	Test Step 2.99 (Repeat Count = 1)	
Resident Ap. TrackOA Impact Resident Resident Impact Imp		Input Value
Time Columb Authorises Time Columb Autho		
TREAD, Landscase V. M. SIEK M. 19.22 TREAD, Secretarity Chiefe, Landscase V. M. 1922 TREAD, Secretarity Chiefe, Landscase V. M. 1922 TREAD, Assaciant Threadmed, Marking M. 1923 TREAD, Assaciant M. 1923 TREAD, Assaciant Threadmed, Marking M. 1924 TREAD, Assaciant Threadmed, Marking M. 1924 TREAD, Assaciant M. 1923 TREAD, Assaciant M. 1923 TREAD, Assaciant M. 1924 TREAD, Assaciant M. 1924 TREAD, Assaciant M. 1924 TREAD, Assaciant M. 1925 TREAD, As		
TRIÇUIS, Calestratur Technologies, 19, 14, 172 TRIÇUIS, Triglocan (Triglated Science Flooring, 19, 14, 172 TRIÇUIS, Triglated Science Flooring, 19, 14, 172 TRICUIS, Triglated Science Flooring, 19, 185 TRICUIS, DISSISSANI AND SCIENCE Flooring, 19, 185 TRICUIS, DISSISSANI AND SCIENCE Flooring, 19, 185 TRICUIS, DISSISSANI AND SCIENCE Flooring, 19, 185 TRICUIS, CANDER SCIENCE Flooring, 19		0
TracDA, Trackment Martin M, 32	TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.063000001
Trac.O.A. Problemedical Francis O. Us. M. 122 1.2893338	TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	
K. Troi, D.A. Abrivatine Ministrage, 122 40.615128 K. Troi, D.A. Difficación Linteria fallan, Usips, 152 40.5314102 K. Troi, D.A. Difficación Linteria fallan, Usips, 152 40.5314102 K. Troi, D.A. Lank-Conversion Factor Usip, 152 9.1330268 K. Troi, D.A. Lank-Conversion Factor Usip, 152 9.1330268 K. Troi, D.A. Marchagharian, Usips, 152 1 K. Troi, D.A. Difficación, Usips, 153 1 K. Troi, D.A. Difficación, Usips, 154		
E.Triglo.A.D. DiffScarletak Interfeating Units 12		
K. Trol, A.D. Dissael Asal. Limen February Uses 52 40.5314102 K. Trol, D.A. J. Alexaccomession February 52 9.1330268 K. Trol, D.A. J. Alexaccomession February 52 9.1330268 K. Trol, D.A. Musical February 52 9.1330268 K. Trol, D.A. Musical February 52 0.78533892 K. Trol, D.A. Musical February 52 0.78533892 K. Trol, D.A. Musical February 52 1 K. Trol, D.A. Musical February 52 0.78533892 K. Trol, D.A. Diffical February 52 0.7853392 K. Trol, D.A. Diffical		
Virgido Jankscomeson doctor June 22 9.1330,0299		
TraCAD_Landwidth Minht 12		
Trail CA, Mas-Seafe-factor, UB, 192 1		
Various Authority Ministry 10, 100 10 10 10 10 10 10	k_TrqLOA_LimOutput_MtrNm_f32	8.80000019
K, Trai, CA, AbmoDriTe, Mahm, 12	k_TrqLOA_MaxScaleFactor_Uls_f32	0.785330892
International United States Inte		
K. TroLOA, Johnstein Uls. 152		
KTRLOA UndersteerGraft Range, (32 18.88234 18.882		
L. Traci, D.A. Difficant, V. Us. urp 150 10		
12. Traj CA, DillGan'Y, Uls., up15[0][0] 8152 12. Traj CA, DillGan'Y, Uls., up15[0][1] 8152 12. Traj CA, DillGan'Y, Uls., up15[0][0] 9903 12. Traj CA, DillGan'Y, Uls., up15[0][0] 9803 12. Traj CA, DillGan'Y, Uls., up15[0][0] 8654 12. Traj CA, DillGan'Y, Uls., up15[0][0] 8654 12. Traj CA, DillGan'Y, Uls., up15[0][1] 8192 12. Traj CA, DillGan'Y, Uls., up15[0][1] 9803 12. Traj CA, DillGan'Y, Uls., up15[0][1] 9803 12. Traj CA, DillGan'Y, Uls., up15[0][0] 6654 12. Traj CA, DillGan'Y, Uls., up15[0][0] 8654 12. Traj CA, DillGan'Y, Uls., up15[0][1] 8192 12. Traj CA, DillGan'Y, Uls., up15[0][1] 8		
2_Tric(_DDiffican', _Usupts[0][1] 8192 2_Tric(_DDiffican', _Usupts[0][2] 8903 2_Tric(_DDiffican', _Usupts[0][3] 9803 2_Tric(_DDiffican', _		
12. Tracic A. Difficanty' Uis_urip15(0)[3] 9803 2. Tracic A. Difficanty' Uis_urip15(1)[0] 6854 2. Tracic A. Difficanty' Uis_urip15(1)[0] 6854 2. Tracic A. Difficanty' Uis_urip15(1)[1] 8192 2. Tracic A. Difficanty' Uis_urip15(1)[1] 9803 2. Tracic A. Difficanty' Uis_urip15(1)[1] 6854 2. Tracic A. Difficanty' Uis_urip15(2)[0] 6854 2. Tracic A. Difficanty' Uis_urip15(2)[0] 6854 2. Tracic A. Difficanty' Uis_urip15(2)[1] 8192 2. Tracic A. Difficanty' Uis_urip15(3)[1] 8192 2. Tracic A. Difficanty' Uis_urip15(3)[3] 9803 2. Tracic A. Difficanty' Uis_urip15(3)[3] 9803 2. Tracic A. Difficanty' Uis_urip15(3)[3] 9803 2. Tracic A. Difficanty' Uis_urip15(4)[1] 8192 2. Tracic A. Difficanty' Uis_		
2_Trq.O.A_DiffGainY_Uis_up15[0][1] 8854 2_Trq.O.A_DiffGainY_Uis_up15[1][1] 8192 2_Trq.O.A_DiffGainY_Uis_up15[1][1] 8192 2_Trq.O.A_DiffGainY_Uis_up15[1][1] 8192 2_Trq.O.A_DiffGainY_Uis_up15[1][1] 8930 2_Trq.O.A_DiffGainY_Uis_up15[2][1] 8192 2_Trq.O.A_DiffGainY_Uis_up15[2][1] 8192 2_Trq.O.A_DiffGainY_Uis_up15[2][1] 8192 2_Trq.O.A_DiffGainY_Uis_up15[2][1] 8192 2_Trq.O.A_DiffGainY_Uis_up15[2][1] 8192 2_Trq.O.A_DiffGainY_Uis_up15[2][1] 8192 2_Trq.O.A_DiffGainY_Uis_up15[3][1] 8192 2_Trq.O.A_DiffGainY_Uis_up15[3][1] 8192 2_Trq.O.A_DiffGainY_Uis_up15[3][1] 8192 2_Trq.O.A_DiffGainY_Uis_up15[3][1] 8192 2_Trq.O.A_DiffGainY_Uis_up15[3][1] 8192 2_Trq.O.A_DiffGainY_Uis_up15[3][2] 9603 2_Trq.O.A_DiffGainY_Uis_up15[3][2] 9603 2_Trq.O.A_DiffGainY_Uis_up15[3][2] 9603 2_Trq.O.A_DiffGainY_Uis_up15[4][1] 8192 2_Trq.O.A_DiffGainY_		
2. Trq.O.A. Difficanry Usu_up1sf[1][1] 8903 12. Trq.O.A. Difficanry Usu_up1sf[1][2] 8903 12. Trq.O.A. Difficanry Usu_up1sf[2][1] 8903 12. Trq.O.A. Difficanry Usu_up1sf[2][1] 8912 12. Trq.O.A. Difficanry Usu_up1sf[2][2] 8903 19. Trq.O.A. Difficanry Usu_up1sf[2]		9830
2_TqLOA_DIMGainY_Uls_up15f[1]2 9503 2_TqLOA_DIMGainY_Uls_up15f[2]0 6554 2_TqLOA_DIMGainY_Uls_up15f[2]0 6554 2_TqLOA_DIMGainY_Uls_up15f[2]1 8192 2_TqLOA_DIMGainY_Uls_up15f[2]1 9803 2_TqLOA_DIMGainY_Uls_up15f[2]3 9800 2_TqLOA_DIMGainY_Uls_up15f[2]3 9800 2_TqLOA_DIMGainY_Uls_up15f[3]0 6554 2_TqLOA_DIMGainY_Uls_up15f[3]1 8192 2_TqLOA_DIMGainY_Uls_up15f[3]2 9803 2_TqLOA_DIMGainY_Uls_up15f[3]2 9803 2_TqLOA_DIMGainY_Uls_up15f[3]2 9803 2_TqLOA_DIMGainY_Uls_up15f[3]3 9800 2_TqLOA_DIMGainY_Uls_up15f[3]0 6554 2_TqLOA_DIMGainY_Uls_up15f[3]0 6554 2_TqLOA_DIMGainY_Uls_up15f[3]0 6554 2_TqLOA_DIMGainY_Uls_up15f[3]0 6654 2_TqLOA_DIMGainY_Uls_up15f[3	t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	6554
2_TrqLOA_DiffGainY_Uis_urp15[1]3] 9830 2_TrqLOA_DiffGainY_Uis_urp15[2]1] 8192 2_TrqLOA_DiffGainY_Uis_urp15[2]1] 8192 2_TrqLOA_DiffGainY_Uis_urp15[2]1] 8193 2_TrqLOA_DiffGainY_Uis_urp15[3]1] 8193 2_TrqLOA_DiffGainY_Uis_urp15[3]1] 8192 2_TrqLOA_DiffGainY_Uis_urp15[3]1] 8192 2_TrqLOA_DiffGainY_Uis_urp15[3]1] 8192 2_TrqLOA_DiffGainY_Uis_urp15[3]2] 9830 2_TrqLOA_DiffGainY_Uis_urp15[3]3] 9830 2_TrqLOA_DiffGainY_Uis_urp15[3]3] 9830 2_TrqLOA_DiffGainY_Uis_urp15[3]3] 9830 2_TrqLOA_DiffGainY_Uis_urp15[3]3] 9830 2_TrqLOA_DiffGainY_Uis_urp15[4]1] 8192 2_TrqLOA_DiffGainY_Uis_urp15[4]1] 8192 2_TrqLOA_DiffGainY_Uis_urp15[4]1] 8192 2_TrqLOA_DiffGainY_Uis_urp15[5]1] 8192 2_TrqLOA_DiffGainY_Uis_urp15[6]1] 8192 2_TrqLOA_DiffGainY_Uis_urp15[7]1] 8192 1_TrqLOA_DiffGainY_Uis_urp15[7]2] 8901 1_TrqLOA_DiffGainY_	t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	8192
2_TrqLOA_DiffGainY_Uls_ur[st[2][1] 8192		
2_TrqLOA_DiffGainY_Uis_ur[st[2][2] 8192		
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t2_TrqLOA_DiffGainY_Uls_u1p15[7][1] 8192 t2_TrqLOA_DiffGainY_Uls_u1p15[7][2] 9503 t2_TrqLOA_DiffGainY_Uls_u1p15[7][3] 9830 t_TrqLOA_DiffGainX_G_u2p14[0] 12288 t_TrqLOA_DiffGainX_G_u2p14[1] 13271 t_TrqLOA_DiffGainX_G_u2p14[2] 14909 t_TrqLOA_DiffGainX_G_u2p14[3] 19661 t_TrqLOA_DiffGainX_G_u2p14[3] 19661 t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0] 11520 t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1] 11840 t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2] 12160 t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3] 12480 t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4] 12800 t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0] 9830 t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1] 13107 t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2] 16384 t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3] 19661 t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4] 22938	t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	9830
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2] 9503 t2_TrqLOA_DiffGainY_Uls_u1p15[7][3] 9830 t_TrqLOA_DiffGainX_G_u2p14[0] 12288 t_TrqLOA_DiffGainX_G_u2p14[1] 13271 t_TrqLOA_DiffGainX_G_u2p14[2] 14909 t_TrqLOA_DiffGainX_G_u2p14[3] 19661 t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0] 11520 t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1] 11840 t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2] 12160 t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3] 12480 t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4] 12800 t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0] 9830 t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0] 9830 t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1] 13107 t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2] 16384 t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3] 19661 t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4] 22938	_ , ,,	
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3] 9830 t_TrqLOA_DiffGainX_G_u2p14[0] 12288 t_TrqLOA_DiffGainX_G_u2p14[1] 13271 t_TrqLOA_DiffGainX_G_u2p14[2] 14909 t_TrqLOA_DiffGainX_G_u2p14[3] 19661 t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0] 11520 t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1] 11840 t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2] 12160 t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3] 12480 t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4] 12800 t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0] 9830 t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1] 13107 t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2] 16384 t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3] 19661 t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4] 22938		
t_TrqLOA_DiffGainX_G_u2p14[0] 12288 t_TrqLOA_DiffGainX_G_u2p14[1] 13271 t_TrqLOA_DiffGainX_G_u2p14[2] 14909 t_TrqLOA_DiffGainX_G_u2p14[3] 19661 t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0] 11520 t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1] 11840 t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2] 12160 t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3] 12480 t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4] 12800 t_TrqLOA_HighSpeedTrqBlend_Y_UIs_u1p15[0] 9830 t_TrqLOA_HighSpeedTrqBlend_Y_UIs_u1p15[1] 13107 t_TrqLOA_HighSpeedTrqBlend_Y_UIs_u1p15[2] 16384 t_TrqLOA_HighSpeedTrqBlend_Y_UIs_u1p15[3] 19661 t_TrqLOA_HighSpeedTrqBlend_Y_UIs_u1p15[4] 22938		
t_TrqLOA_DiffGainX_G_u2p14[1]		
t_TrqLOA_DiffGainX_G_u2p14[2] 14909 t_TrqLOA_DiffGainX_G_u2p14[3] 19661 t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0] 11520 t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1] 11840 t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2] 12160 t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3] 12480 t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4] 12800 t_TrqLOA_HighSpeedTrqBlend_Y_UIs_u1p15[0] 9830 t_TrqLOA_HighSpeedTrqBlend_Y_UIs_u1p15[1] 13107 t_TrqLOA_HighSpeedTrqBlend_Y_UIs_u1p15[2] 16384 t_TrqLOA_HighSpeedTrqBlend_Y_UIs_u1p15[3] 19661 t_TrqLOA_HighSpeedTrqBlend_Y_UIs_u1p15[4] 22938		
t_TrqLOA_DiffGainX_G_u2p14[3] 19661 t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0] 11520 t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1] 11840 t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2] 12160 t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3] 12480 t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4] 12800 t_TrqLOA_HighSpeedTrqBlend_Y_UIs_u1p15[0] 9830 t_TrqLOA_HighSpeedTrqBlend_Y_UIs_u1p15[1] 13107 t_TrqLOA_HighSpeedTrqBlend_Y_UIs_u1p15[2] 16384 t_TrqLOA_HighSpeedTrqBlend_Y_UIs_u1p15[3] 19661 t_TrqLOA_HighSpeedTrqBlend_Y_UIs_u1p15[4] 22938		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0] 11520 t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1] 11840 t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2] 12160 t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3] 12480 t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4] 12800 t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0] 9830 t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1] 13107 t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2] 16384 t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3] 19661 t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4] 22938	_ ,	
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1] 11840 t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2] 12160 t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3] 12480 t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4] 12800 t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0] 9830 t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1] 13107 t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2] 16384 t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3] 19661 t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4] 22938		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2] 12160 t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3] 12480 t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4] 12800 t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0] 9830 t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1] 13107 t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2] 16384 t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3] 19661 t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4] 22938		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4] 12800 t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0] 9830 t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1] 13107 t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2] 16384 t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3] 19661 t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4] 22938		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0] 9830 t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1] 13107 t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2] 16384 t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3] 19661 t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4] 22938	t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1] 13107 t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2] 16384 t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3] 19661 t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4] 22938		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2] 16384 t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3] 19661 t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4] 22938		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3] 19661 t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4] 22938		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4] 22938		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1] 4915		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2] 8192		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3] 9011		9011





Name	Input Value		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	12288		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	13107		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	16384		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	17203		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	8192		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	14336		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	18432		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	18022		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	21709		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	23347		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	26624		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	26624		
t_TrqLOA_X_Kph_u10p6[0]	24128		
t_TrqLOA_X_Kph_u10p6[1]	24192		
t_TrqLOA_X_Kph_u10p6[2]	24256		
t_TrqLOA_X_Kph_u10p6[3]	24320		
t_TrqLOA_X_Kph_u10p6[4]	24384		
t_TrqLOA_X_Kph_u10p6[5]	24448		
t_TrqLOA_X_Kph_u10p6[6]	24512		
t_TrqLOA_X_Kph_u10p6[7]	24576		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecSq_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_Igc	target_TrqLOA_Per1_LatAccelValid_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaM	ltgtnEn_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_	_MtrRadpS_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_	HwDeg_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOAAva	il_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmo	d_MtrNm_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc	target_TrqLOA_Per1_VehicleSpee	edValid_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpee	ed_Kph_f32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0.72999084		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	8.90970612		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	0		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-1081.84827		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	26.4038925		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	375.344025		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.832664609	0.832664669	•
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.00134866394	0.00134866405 ± 0.01	•
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	•
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	•
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	1.18257344	1.18257344 ± 0.01	•
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	•
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0	0 ± 0.01	

Name	Input Value	
Rte Inst Ap TrqLOA	target Rte Inst Ap TrqLOA	
TrqLOA_LatAccScaleFactor_Uls_M_f32	1	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.670000017	
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.063500002	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	6.18846893	
TrqLOA_TloaCmd_MtrNm_M_f32	7.5	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	2	
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	3.72223473	
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	545.694092	
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-45.7611389	
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	40.9692307	
k_TrqLOA_FallingRampRate_UlspS_f32	-181.958633	
<pre><_TrqLOA_LatAccConversionFactor_Uls_f32</pre>	5.12441492	
<_TrqLOA_LimOutput_MtrNm_f32	1.73804796	
k_TrqLOA_MaxScaleFactor_Uls_f32	1	
<pre><_TrqLOA_MinScaleFactor_Uls_f32</pre>	1	
<pre><_TrqLOA_NomDrvTrq_MtrNm_f32</pre>	8.10569954	
<pre><_TrqLOA_RisingRampRate_UlspS_f32</pre>	884.589783	
<pre><_TrqLOA_SteerRatio_Uls_f32</pre>	75.4346848	
C_TrqLOA_UndersteerGrad_RadpG_f32	0.25	
k_TrqLOA_Wheelbase_M_f32	19.5902386	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	10158	





Name	Input Value
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1] t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	12124 12780
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	10158
t2 TrqLOA DiffGainY Uls u1p15[3][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	12124
t2_TrqLOA_DiffGainY_UIs_u1p15[5][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3] t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	13107 10158
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	13107
t2_TrqLOA_DiffGainY_UIs_u1p15[7][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	13107
t_TrqLOA_DiffGainX_G_u2p14[0]	14090
t_TrqLOA_DiffGainX_G_u2p14[1]	15073
t_TrqLOA_DiffGainX_G_u2p14[2]	17039
t_TrqLOA_DiffGainX_G_u2p14[3]	22938
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	13120
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	13440
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2] t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	13760 14080
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	14400
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	13107
t TrqLOA HighSpeedTrqBlend Y Uls u1p15[2]	16384
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	19661
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	22938
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	20480
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	21299
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	24576
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	25395
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	28672
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	29491
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	32768 33587
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7] t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	9011
t TrqLOA_rempTrqCmdSatYTbl_MtrNm_u4p12[1]	15565
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	19251
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	18432
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	22528
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	24166
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	27853
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	27443
t_TrqLOA_X_Kph_u10p6[0]	24640
t_TrqLOA_X_Kph_u10p6[1]	24704
t_TrqLOA_X_Kph_u10p6[2]	24768
t_TrqLOA_X_Kph_u10p6[3]	24832
t_TrqLOA_X_Kph_u10p6[4]	24896
t_TrqLOA_X_Kph_u10p6[5]	24960
t_TrqLOA_X_Kph_u10p6[6]	25024 25088
t_TrqLOA_X_Kph_u10p6[7] target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HaridwheelAdirioniy_Ois_is2 target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_HandwheelAuthority_ois_is2 target_TrqLOA_Per1_LatAcc_MpSecSq_f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelValid_Cnt_lgc





Name	Input Value		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCR	F_MtrRadpS_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos	s_HwDeg_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc	target_TrqLOA_Per1_TrqLOAA	/ail_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOAC	md_MtrNm_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc	target_TrqLOA_Per1_VehicleSp	eedValid_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSp	eed_Kph_f32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0.979789495		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-5.07149601		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	0		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-1365.74438		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-206.586578		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	79.989502		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.908477724	0.908477724	✓
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.622706652	0.622706652 ± 0.01	✓
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	✓
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	~
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	1.63608265	1.63608277 ± 0.01	~
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	~
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0	0 ± 0.01	✓

Name	Input Value
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA
TrqLOA LatAccScaleFactor Uls M f32	0.965166926
TrgLOA_LatAccelSV g M Str.SV Uls f32	0.330000013
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.064000003
TrgLOA_Laraccersv_g_ivi_str.k_ors_rs2 TrgLOA ScaledMtrTrgCmd MtrNm M f32	-3.01082706
TrqLOA_Scaledwit TrqCritd_MtrNift_M_132 TrqLOA_TloaCmd_MtrNm_M_f32	-3.01062700
TrqLOA_Troacrid_MtNNIT_M_I32 TrqLOA_TrqBasedScaleFactor_Uls_M_f32	1.17187524
<pre><_TrqLOA_Ndbasedocaler actor_ols_ivi_i32</pre> <pre><_TrqLOA_AbsAssistThreshold_MtrNm_f32</pre>	1.75459635
	433.937439
	-54.2950287
TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32 TrgLOA_DiffScaleRateLimiterFising_UlspS_f32	
<_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	59.0309486
<_TrqLOA_FallingRampRate_UlspS_f32	-253.557938
<pre><_TrqLOA_LatAccConversionFactor_Uls_f32</pre>	1.79567754
<_TrqLOA_LimOutput_MtrNm_f32 <_TrqLOA_May(2g)=Factor_Lillo_f32	7.68047094
TrqLOA_MaxScaleFactor_Uls_f32	0.682921767
<_TrqLOA_MinScaleFactor_Uls_f32	0.51321137
x_TrqLOA_NomDrvTrq_MtrNm_f32	7.61406374
K_TrqLOA_RisingRampRate_UlspS_f32	982.168213
x_TrqLOA_SteerRatio_Uls_f32	58.4313583
x_TrqLOA_UndersteerGrad_RadpG_f32	0.25
<pre><_TrqLOA_Wheelbase_M_f32</pre>	7.67427111
2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	13763
2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	15729
2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	17039
2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	19661
2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	13763
2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	15729
2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	17039
2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	19661
2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	13763
2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	15729
2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	17039
2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	19661
2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	13763
2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	15729
2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	17039
2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	19661
2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	13763
2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	15729
2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	17039
2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	19661
2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	13763
2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	15729
2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	17039
2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	19661
2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	13763

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Name	Input Value		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	15729		
t2_TrqLOA_DiffGainY_UIs_u1p15[6][2]	17039		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	19661		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	13763		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	15729		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	17039		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	19661		
t_TrqLOA_DiffGainX_G_u2p14[0]	15892		
t_TrqLOA_DiffGainX_G_u2p14[1]	16876		
t_TrqLOA_DiffGainX_G_u2p14[2]	19169		
t_TrqLOA_DiffGainX_G_u2p14[3]	26214		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	14720		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	15040		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	15360		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	15680		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	16000		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	9830		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	13107		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	16384		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	19661		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	22938		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	36864		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	37683 40960		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	41779		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	45056		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4] t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	45875		
	49152		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6] t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	49971		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	9830		
t TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	16794		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	20070		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	18842		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	23347		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	24986		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	29082		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	28262		
t_TrqLOA_X_Kph_u10p6[0]	64		
t_TrqLOA_X_Kph_u10p6[1]	128		
t_TrqLOA_X_Kph_u10p6[2]	192		
t_TrqLOA_X_Kph_u10p6[3]	256		
t_TrqLOA_X_Kph_u10p6[4]	320		
t_TrqLOA_X_Kph_u10p6[5]	384		
t_TrqLOA_X_Kph_u10p6[6]	448		
t_TrqLOA_X_Kph_u10p6[7]	512		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAi	uthority_Uls_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSe	ecSq_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelValid	I_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMto	gtnEn_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_M		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_H	lwDeg_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOAAvail_	_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_	_MtrNm_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSpeed	dValid_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpeed	d_Kph_f32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0.311326146		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	0.34641546		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	0		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	954.816956		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-480.879883		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	496.52182		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.85657686	0.85657686	•
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.272681743	0.272681743 ± 0.01	•
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	•
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	•
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.664759338	0.664759278 ± 0.01	•
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	•

0

0 ± 0.01

target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value





Test Step 2.102 (Repeat Count = 1)	L. W.
Name	Input Value
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.719573736
TrqLOA_LatAcceISV_g_M_Str.SV_UIs_f32 TrqLOA_LatAcceISV_g_M_Str.K_UIs_f32	0.449999988
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	1.84906077
TrqLOA_TloaCmd_MtrNm_M_f32	-8
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	2
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	3.46470165
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	560.686218
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-98.0630569
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	91.9077454
k_TrqLOA_FallingRampRate_UlspS_f32	-260.966858
k_TrqLOA_LatAccConversionFactor_Uls_f32	8.11684418
k_TrqLOA_LimOutput_MtrNm_f32	5.08614922
k_TrqLOA_MaxScaleFactor_Uls_f32	1
k_TrqLOA_MinScaleFactor_Uls_f32	0.511231422
k_TrqLOA_NomDrvTrq_MtrNm_f32 k_TrqLOA_RisingRampRate_UlspS_f32	8.20072651 102.115242
k_mgLOA_kisingkampkate_disp5_i52	5.74871397
k TrgLOA_Gleenvallo_Gls_G2 k TrgLOA UndersteerGrad RadpG f32	0
k TrqLOA Wheelbase M f32	2.2757802
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	26214 17367
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0] t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2] t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	21299 26214
t2_TrqLOA_DiliGainY_Uis_u1p15[0][3] t2_TrqLOA_DiffGainY_Uis_u1p15[7][0]	17367
t2_frqLOA_biliGainY_bis_u1p15[7][0] t2_frqLOA_biffGainY_bis_u1p15[7][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	26214
t_TrqLOA_DiffGainX_G_u2p14[0]	17695
t_TrqLOA_DiffGainX_G_u2p14[1]	18678
t_TrqLOA_DiffGainX_G_u2p14[2]	21299
t_TrqLOA_DiffGainX_G_u2p14[3]	29491
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	16320
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	16640
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	16960
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	17280
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	17600
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	9830 13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1] t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	16384
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	19661
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	22938
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	53248
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	54067
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	56115
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	56934

TrqLOA_Per1

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Name	Input Value	
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	58163	
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	60211	
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	60621	
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	61030	
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	10650	
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	18022	
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	20890	
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	19251	
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	24166	
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	25805	
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	30310	
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	29082	
t_TrqLOA_X_Kph_u10p6[0]	576	
t_TrqLOA_X_Kph_u10p6[1]	640	
t_TrqLOA_X_Kph_u10p6[2]	704	
t_TrqLOA_X_Kph_u10p6[3]	768	
t_TrqLOA_X_Kph_u10p6[4]	832	
t_TrqLOA_X_Kph_u10p6[5]	896	
t_TrqLOA_X_Kph_u10p6[6]	960	
t_TrqLOA_X_Kph_u10p6[7]	1024	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecSq_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelValid_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_HwDeg_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc	target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpeed_Kph_f32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0.948918343	
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	8.35726833	
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0	
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1	
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	1339.45154	
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-865.268372	
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	0	
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	111.518616	1
Name	Actual Value Expected Va	alue Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.529998779 0.529998779	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	-6.86314344 -6.86314487 ±	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-1.12886703 -1.12886703 ±	
TrqLOA_TloaCmd_MtrNm_M_f32	-1.12886703 -1.12886703 ±	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	1.47806621 1.47806633 ±	
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0 0	
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	-1.12886703 -1.12886703 ±	0.01

Name	Input Value	
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA	
TrqLOA_LatAccScaleFactor_Uls_M_f32	1	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.5	
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0649999976	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	3.17089868	
TrqLOA_TloaCmd_MtrNm_M_f32	-7.5	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.714851201	
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	7.47531605	
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	493.191315	
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-93.2124023	
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	3.52900672	
k_TrqLOA_FallingRampRate_UlspS_f32	-885.932068	
k_TrqLOA_LatAccConversionFactor_Uls_f32	7.64222908	
k_TrqLOA_LimOutput_MtrNm_f32	3.30777383	
k_TrqLOA_MaxScaleFactor_Uls_f32	1	
k_TrqLOA_MinScaleFactor_Uls_f32	1.	
k_TrqLOA_NomDrvTrq_MtrNm_f32	1.14297307	
k_TrqLOA_RisingRampRate_UlspS_f32	687.914795	
k_TrqLOA_SteerRatio_Uls_f32	93.624527	
k_TrqLOA_UndersteerGrad_RadpG_f32	0.25	
k_TrqLOA_Wheelbase_M_f32	12.5041809	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	655	

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TrqLOA_Per1



Name	Input Value
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	2458
t2_TrqLOA_DiffGainY_UIs_u1p15[0][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	655
t2_TrqLOA_DiffGainY_UIs_u1p15[1][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	2458 4915
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2] t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	655
t2 TrqLOA DiffGainY Uls u1p15[5][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	4915
t2_TrqLOA_DiffGainY_UIs_u1p15[6][3]	6226
t2_TrqLOA_DiffGainY_UIs_u1p15[7][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	6226
t_TrqLOA_DiffGainX_G_u2p14[0]	328
t_TrqLOA_DiffGainX_G_u2p14[1]	1229
t_TrqLOA_DiffGainX_G_u2p14[2]	2458
t_TrqLOA_DiffGainX_G_u2p14[3]	3113
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	14720
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	15040
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	15360
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	15680
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4] t TrqLOA HighSpeedTrqBlend Y UIs u1p15[0]	16000 6554
t TrqLOA HighSpeedTrqBlend Y Uls u1p15[1]	9830
t TrqLOA HighSpeedTrqBlend Y Uls u1p15[2]	13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	16384
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	19661
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	4096
t TrqLOA LatAccGain Y MtrNmpG u4p12[1]	4915
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	8192
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	9011
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	12288
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	13107
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	16384
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	17203
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	11469
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	19251
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	21709
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	19661
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	24986
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	26624
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	31539
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	29901
t_TrqLOA_X_Kph_u10p6[0]	1088
t_TrqLOA_X_Kph_u10p6[1]	1152
t_TrqLOA_X_Kph_u10p6[2]	1216
t_TrqLOA_X_Kph_u10p6[3]	1280
t_TrqLOA_X_Kph_u10p6[4]	1344
t_TrqLOA_X_Kph_u10p6[5]	1408
t_TrqLOA_X_Kph_u10p6[6]	1472 1536
t_TrqLOA_X_Kph_u10p6[7] target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	
	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32
	target Trol OA Per1 LatAcc MnSacSa f32
target_Rte_inst_Ap_TrqLOA.TrqLOA_Per1_HandwheerAdtholity_Ois_is2 target_Rte_inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32 target_Rte_inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAcc_MpSecSq_f32 target_TrqLOA_Per1_LatAccelValid_Cnt_lgc



TrqLOA_Per1

Name	Input Value		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCR	F_MtrRadpS_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos	s_HwDeg_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc	target_TrqLOA_Per1_TrqLOAA	/ail_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOAC	md_MtrNm_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSp	eedValid_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSp	eed_Kph_f32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0.514535308		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-0.531552732		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-1098.22021		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	282.88974		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	304.746979		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.813575208	0.813575208	~
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.480332762	0.480332762 ± 0.01	✓
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	✓
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	~
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	1	1 ± 0.01	~
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	•
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0	0 ± 0.01	✓

Name	Input Value	
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA	
TrqLOA LatAccScaleFactor Uls M f32	0.622601509	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.550000012	
TrqLOA LatAccelSV g M Str.K Uls f32	0.0654999986	
TrgLOA ScaledMtrTrgCmd MtrNm M f32	-3.16161966	
TrqLOA_TloaCmd_MtrNm_M_f32	-7	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	2	
<pre><_TrqLOA_AbsAssistThreshold_MtrNm_f32</pre>	0.333182216	
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	695.859253	
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-37.716568	
k TrgLOA DiffScaleRateLimiterRising UlspS f32	29.5977783	
k TrqLOA FallingRampRate UlspS f32	-135.023148	
k TrgLOA LatAccConversionFactor Uls f32	7.41816854	
k_TrqLOA_LimOutput_MtrNm_f32	7.3144207	
k_TrqLOA_Emoutput_Mannin_i32	0.72124815	
k_TrqLOA_MinScaleFactor_Uls_f32	0.341758966	
k_TrqLOA_NomDrvTrq_MtrNm_f32	3.29703116	
k_TrqLOA_RisingRampRate_UlspS_f32	526.531982	
k_TrqLOA_SteerRatio_Uls_f32	84.263443	
k TrqLOA_Gleen\alio_Gls_i32	0.15000006	
k TrqLOA_UndersteerGrau_reaupg_lb2	18.9389439	
t2 TrqLOA_WifeGinaSe_W_IS2 t2 TrqLOA DiffGainY Uls u1p15[0][0]	6554	
t2_TrqLOA_DiliGainY_Uis_u1p15[0][0] t2_TrqLOA_DiffGainY_Uis_u1p15[0][1]	8192	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	9503	
	9830	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3] t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	6554	
	8192	
12_TrqLOA_DiffGainY_Uls_u1p15[1][1]	9503	
I2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	9830	
I2_TrqLOA_DiffGainY_UIs_u1p15[1][3]	6554	
12_TrqLOA_DiffGainY_UIs_u1p15[2][0]	8192	
t2_TrqLOA_DiffGainY_UIs_u1p15[2][1]	1 1	
12_TrqLOA_DiffGainY_UIs_u1p15[2][2]	9503 9830	
I2_TrqLOA_DiffGainY_UIs_u1p15[2][3]	6554	
12_TrqLOA_DiffGainY_Uls_u1p15[3][0]		
12_TrqLOA_DiffGainY_Uls_u1p15[3][1]	8192	
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	9503	
I2_TrqLOA_DiffGainY_UIs_u1p15[3][3]	9830	
2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	6554	
2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	8192	
2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	9503	
12_TrqLOA_DiffGainY_UIs_u1p15[4][3]	9830	
I2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	6554	
2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	8192	
2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	9503	
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	9830	
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	6554	

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Name	Input Value		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	8192		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	9503		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	9830		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	6554		
t2_TrqLOA_DiffGainY_UIs_u1p15[7][1]	8192		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	9503		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3] t_TrqLOA_DiffGainX_G_u2p14[0]	9830 3277		
t_TrqLOA_DiffGainX_G_u2p14[1]	4096		
t_TrqLOA_DiffGainX_G_u2p14[2]	4751		
t_TrqLOA_DiffGainX_G_u2p14[3]	4915		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	16320		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	16640		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	16960		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	17280		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	17600		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	6554		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	9830		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2] t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	13107 16384		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	19661		
t_TrqLOA_nigrispeed11qbierid_1_0is_u1p15[4]	20480		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	21299		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	24576		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	25395		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	28672		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	29491		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	32768		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	33587		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	12288		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	20480		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	22528 20070		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3] t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	25805		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	27443		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	32768		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	30720		
t_TrqLOA_X_Kph_u10p6[0]	1600		
t_TrqLOA_X_Kph_u10p6[1]	1664		
t_TrqLOA_X_Kph_u10p6[2]	1728		
t_TrqLOA_X_Kph_u10p6[3]	1792		
t_TrqLOA_X_Kph_u10p6[4]	1856		
t_TrqLOA_X_Kph_u10p6[5]	1920		
t_TrqLOA_X_Kph_u10p6[6]	1984		
t_TrqLOA_X_Kph_u10p6[7]	2048 target TrgLOA Per1 HandwheelAl	uthority IIIo 622	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32 target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpS	7= =	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_Igc	target_TrqLOA_Per1_LatAccelValid		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_Igc	target TrqLOA Per1 MotAqLoaMto		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_M	0 0	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_H	. =	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOAAvail		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd	_MtrNm_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSpeed	dValid_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpeed	d_Kph_f32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	1		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	10		
target_TrqLOA_Per1_LatAccelValid_Cnt_Igc.value	1 0		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-186.463074		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-270.124939		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	274.40564		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.547168374	0.547168374	~
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.493835986	0.493835956 ± 0.01	✓
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	~
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	✓
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	1.72995377	1.72995365 ± 0.01	~
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	v
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0	0 ± 0.01	~





Test Step 2.105 (Repeat Count = 1)	· ·
Name	Input Value
Rte_Inst_Ap_TrqLOA	target Rte Inst Ap TrqLOA
TrqLOA_LatAccScaleFactor_Uls_M_f32	1
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.600000024
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0659999996
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-1.47555137
TrqLOA_TloaCmd_MtrNm_M_f32	-6.5
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.0452389121
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	9.15295506
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	274.993073 -92.4099426
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32 k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	0
k_TrqLOA_FallingRampRate_UlspS_f32	-830.102417
k_TrqLOA_LatAccConversionFactor_Uls_f32	4.17782021
k_TrqLOA_LimOutput_MtrNm_f32	1.11741638
k_TrqLOA_MaxScaleFactor_Uls_f32	1
k_TrqLOA_MinScaleFactor_Uls_f32	1
k_TrqLOA_NomDrvTrq_MtrNm_f32	1.8299619
k_TrqLOA_RisingRampRate_UlspS_f32	914.820435
k_TrqLOA_SteerRatio_UIs_f32	18.2976189
k_TrqLOA_Whoolboos_M_f23	0.25 15.1185112
k_TrqLOA_Wheelbase_M_f32 t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	15.1185112
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	12780 13107
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3] t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	12124
t2_TrqLOA_DiffGainY_UIs_u1p15[3][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	12124
t2_TrqLOA_DiffGainY_UIs_u1p15[5][2] t2_TrqLOA_DiffGainY_UIs_u1p15[5][3]	12780 13107
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	10158
t2 TrqLOA DiffGainY Uls u1p15[6][1]	12124
t2 TrqLOA DiffGainY Uls u1p15[6][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	13107
t_TrqLOA_DiffGainX_G_u2p14[0]	5079
t_TrqLOA_DiffGainX_G_u2p14[1]	6062 6390
t_TrqLOA_DiffGainX_G_u2p14[2] t_TrqLOA_DiffGainX_G_u2p14[3]	6554
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	17920
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	18240
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	18560
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	18880
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	19200
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	6554
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	16384
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	19661
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0] t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	36864 37683
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1] t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	40960
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	41779
	1





Name	Input Value		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	45056		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	45875		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	49152		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	49971		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	13107		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	21709		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	23347		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	20480		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	26624		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	28262		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	33997		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	31539		
t_TrqLOA_X_Kph_u10p6[0]	2112		
t_TrqLOA_X_Kph_u10p6[1]	2176		
t_TrqLOA_X_Kph_u10p6[2]	2240		
t_TrqLOA_X_Kph_u10p6[3]	2304		
t_TrqLOA_X_Kph_u10p6[4]	2368		
t_TrqLOA_X_Kph_u10p6[5]	2432		
t_TrqLOA_X_Kph_u10p6[6]	2496		
t_TrqLOA_X_Kph_u10p6[7]	2560		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecSq_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelValid_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_Igc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_HwDeg_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSpeedValid_	Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpeed_Kph_	_f32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	1		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-5.20841312		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-972.272766		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	93.2276306		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	93.398407		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.815180123	0.815180123	•
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.572879255	0.572879195 ± 0.01	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0.077738896	0.0777388886 ± 0.01	
TrqLOA_TloaCmd_MtrNm_M_f32	0.077738896	0.0777388886 ± 0.01	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	1	1 ± 0.01	•
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0.077738896	0.0777388886 ± 0.01	

Name	Input Value	
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA	
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.461277246	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.649999976	
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0665000007	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	7.03820419	
TrqLOA_TloaCmd_MtrNm_M_f32	-6	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-1.12805974	
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	3.32602096	
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	413.116211	
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-17.5247154	
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	100	
k_TrqLOA_FallingRampRate_UlspS_f32	-977.869324	
k_TrqLOA_LatAccConversionFactor_Uls_f32	8.60520649	
k_TrqLOA_LimOutput_MtrNm_f32	6.52711916	
k_TrqLOA_MaxScaleFactor_Uls_f32	0.717261076	
k_TrqLOA_MinScaleFactor_Uls_f32	1	
k_TrqLOA_NomDrvTrq_MtrNm_f32	0.433354557	
k_TrqLOA_RisingRampRate_UlspS_f32	975.972412	
k_TrqLOA_SteerRatio_Uls_f32	92.0923157	
k_TrqLOA_UndersteerGrad_RadpG_f32	0.25	
k_TrqLOA_Wheelbase_M_f32	9.59699059	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	13763	





Name	Input Value
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	15729 17039
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2] t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	19661
t2_TrqLOA_DiriGainY_Uls_u1p15[2][0]	13763
t2 TrqLOA DiffGainY Uls u1p15[3][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	17039
t2_TrqLOA_DiffGainY_UIs_u1p15[5][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	13763
t2_TrqLOA_DiffGainY_UIs_u1p15[6][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	17039
t2_TrqLOA_DiffGainY_UIs_u1p15[6][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	19661
t_TrqLOA_DiffGainX_G_u2p14[0]	6881
t_TrqLOA_DiffGainX_G_u2p14[1]	7864
t_TrqLOA_DiffGainX_G_u2p14[2]	8520
t_TrqLOA_DiffGainX_G_u2p14[3]	9830
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	14720
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	15040 15360
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2] t TrqLOA HighSpeedTrqBlend X Kph u10p6[3]	15680
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	16000
t TrqLOA_rightSpeedTrqBlend Y Uls u1p15[0]	6554
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	16384
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	19661
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	53248
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	54067
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	56115
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	56934
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	58163
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	60211
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	60621
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	61030
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	13926
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	22938
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	24166
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	20890
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	27443
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	29082
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	35226
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	32358
t_TrqLOA_X_Kph_u10p6[0]	2624
t_TrqLOA_X_Kph_u10p6[1]	2688
t_TrqLOA_X_Kph_u10p6[2]	2752
t_TrqLOA_X_Kph_u10p6[3]	2816
t_TrqLOA_X_Kph_u10p6[4]	2880
t_TrqLOA_X_Kph_u10p6[5]	2944
t_TrqLOA_X_Kph_u10p6[6]	3008
t_TrqLOA_X_Kph_u10p6[7]	3072
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32
target Dte Inst An Trai OA Trai OA Bort LotAce Maccacca f22	target Tral OA Peri LatAce MnSecSa f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32 target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_Igc	target_TrqLOA_Per1_LatAcc_MpSecSq_f32 target_TrqLOA_Per1_LatAccelValid_Cnt_lgc





Name	Input Value		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrRadp	S_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_HwDeg_f	32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgd		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_MtrNm_	_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSpeedValid_0	Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpeed_Kph_f	32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0.312604427		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	8.27199745		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	0		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-712.291748		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	764.181824		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	396.513855		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.600006104	0.600006104	~
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.644139349	0.644139409 ± 0.01	~
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	2.34314823	2.34314775 ± 0.01	~
TrqLOA_TloaCmd_MtrNm_M_f32	2.34314823	2.34314775 ± 0.01	~
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.823885202	0.823885024 ± 0.01	~
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	~
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	2.34314823	2.34314775 ± 0.01	~

Name	Input Value	
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA	
TrqLOA LatAccScaleFactor Uls M f32	1	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.100000001	
TrqLOA LatAccelSV g M Str.K Uls f32	0.0670000017	
TrqLOA ScaledMtrTrqCmd MtrNm M f32	0.0685558468	
TrqLOA_TloaCmd_MtrNm_M_f32	-5.5	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	2	
<pre><_TrqLOA_AbsAssistThreshold_MtrNm_f32</pre>	10	
<pre></pre>	56.3604622	
<pre>c</pre>	-6.15822935	
TrqLOA DiffScaleRateLimiterRising UlspS f32	47.5	
TrgLOA FallingRampRate UlspS f32	-154.366959	
TrqLOA LatAccConversionFactor Uls f32	7.79777288	
<pre>c_frqLOA_LimOutput_MtrNm_f32</pre>	7.17944431	
<pre><_frqLOA_Limouput_MuMin_i32 </pre> <pre><_frqLOA_MaxScaleFactor_Uls_f32</pre>	0.191684842	
<pre><_rrqLOA_MinScaleFactor_Uls_f32</pre>	0.152980685	
<pre><_TrqLOA_NomDrvTrq_MtrNm_f32</pre>	4.2541213	
<pre>c_rrqLOA_RisingRampRate_UlspS_f32</pre>	305.152161	
<pre><_frqLOA_SteerRatio_Uls_f32</pre>	61.7665825	
TrqLOA_SteerNatio_Gis_i32 TrqLOA UndersteerGrad RadpG f32	0.25	
TrqLOA_OndersteerGrau_NaupG_I32	9.20375919	
2 TrqLOA DiffGainY Uls u1p15[0][0]	17367	
2_TrqLOA_DiliGainY_Uls_u1p15[0][0] 2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	19333	
	21299	
2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	26214	
2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	17367	
2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	19333	
2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	21299	
2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	26214	
2_TrqLOA_DiffGainY_Uls_u1p15[1][3]		
2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	17367	
2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	19333	
2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	21299	
2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	26214	
2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	17367	
2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	19333	
2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	21299	
2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	26214	
2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	17367	
2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	19333	
2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	21299	
2_TrqLOA_DiffGainY_UIs_u1p15[4][3]	26214	
2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	17367	
2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	19333	
2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	21299	
2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	26214	
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	17367	

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Name	Input Value		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	19333		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	21299		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	26214		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	17367		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	19333		
t2_TrqLOA_DiffGainY_UIs_u1p15[7][2]	21299		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	26214		
t_TrqLOA_DiffGainX_G_u2p14[0]	8684		
t_TrqLOA_DiffGainX_G_u2p14[1] t_TrqLOA_DiffGainX_G_u2p14[2]	9667 10650		
t TrqLOA DiffGainX G u2p14[2]	13107		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	16320		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	16640		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	16960		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	17280		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	17600		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	6554		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	9830		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	13107		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	16384		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	19661		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	4096		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	4915		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	8192		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	9011		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	12288		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	13107		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	16384		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	17203		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	4096		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	8192 14336		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2] t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	15974		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	17613		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	19251		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	20480		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	22528		
t_TrqLOA_X_Kph_u10p6[0]	3136		
t_TrqLOA_X_Kph_u10p6[1]	3200		
t_TrqLOA_X_Kph_u10p6[2]	3264		
t_TrqLOA_X_Kph_u10p6[3]	3328		
t_TrqLOA_X_Kph_u10p6[4]	3392		
t_TrqLOA_X_Kph_u10p6[5]	3456		
t_TrqLOA_X_Kph_u10p6[6]	3520		
t_TrqLOA_X_Kph_u10p6[7]	3584		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelA	,	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_Mp8		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelVal	0	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaM	~	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_		
target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_l		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOAAvai		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32 target_Rte_Inst_Ap_TrqLOA.TrqLOA Per1_VehicleSpeedValid_Cnt_lqc	target_TrqLOA_Per1_TrqLOACmo		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_venicleSpeedValid_Cnt_igc target_Rte_Inst_Ap_TrqLOA.TrqLOA Per1_VenicleSpeed Kph f32	target_TrqLOA_Per1_VehicleSpeet target_TrqLOA_Per1_VehicleSpeet		
target TrqLOA Per1 HandwheelAuthority Uls f32.value	1	ец_крп_132	
target_TrqLOA_Per1_HandwheeiAuthonty_ois_isz.value target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-7.77647305		
target TrqLOA Per1 LatAccelValid Cnt Igc.value	1		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	1549.29675		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-153.528976		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	302.886261		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.987683535	0.987683535	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.0822378099	0.0822378024 ± 0.01	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	•
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	1.69126606	1.69126606 ± 0.01	•
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	•
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0	0 ± 0.01	•





Test Step 2.108 (Repeat Count = 1)	✓
Name	Input Value
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA
TrqLOA_LatAccScaleFactor_UIs_M_f32	0.412190914
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.150000006
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0675000027
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-7.99985456
TrqLOA_TloaCmd_MtrNm_M_f32	-5
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-1.57697034
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	8.35019302
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	891.224121
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32 k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	-47.6366577 9.32355785
k_TrqLOA_billingRampRate_UlspS_f32	-825.041382
k_TrqLOA_LatAccConversionFactor_Uls_f32	4.81464767
k TrqLOA LimOutput MtrNm f32	2.96566963
k_TrqLOA_MaxScaleFactor_Uls_f32	1
k_TrqLOA_MinScaleFactor_Uls_f32	0.930546522
k_TrqLOA_NomDrvTrq_MtrNm_f32	7.98648643
k_TrqLOA_RisingRampRate_UlspS_f32	213.643356
k_TrqLOA_SteerRatio_Uls_f32	23.3187218
k_TrqLOA_UndersteerGrad_RadpG_f32	0.25
k_TrqLOA_Wheelbase_M_f32	18.9755859
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[0][2] t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	4915 6226
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	6226
t2_TrqLOA_DiffGainY_UIs_u1p15[3][0]	655
t2_TrqLOA_DiffGainY_UIs_u1p15[3][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2] t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	4915 6226
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	4915 6226
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3] t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	6226
t_TrqLOA_DiffGainX_G_u2p14[0]	0
t_TrqLOA_DiffGainX_G_u2p14[1]	0
t_TrqLOA_DiffGainX_G_u2p14[2]	0
t_TrqLOA_DiffGainX_G_u2p14[3]	0
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	17920
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	18240
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	18560
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3] t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	18880 19200
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	6554
t_TrqLOA_HighSpeedTrqBlend_Y_UIs_u1p15[1]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	16384
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	19661
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	20480
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	21299
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	24576
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	25395





Name	Input Value		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	28672		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	29491		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	32768		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	33587		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	4915		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	9421		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	15155		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	16384		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	18432		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	20070		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	21709		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	23347		
t_TrqLOA_X_Kph_u10p6[0]	3648		
t_TrqLOA_X_Kph_u10p6[1]	3712		
t_TrqLOA_X_Kph_u10p6[2]	3776		
t_TrqLOA_X_Kph_u10p6[3]	3840		
t_TrqLOA_X_Kph_u10p6[4]	3904		
t_TrqLOA_X_Kph_u10p6[5]	3968		
t_TrqLOA_X_Kph_u10p6[6]	4032		
t_TrqLOA_X_Kph_u10p6[7]	4096		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecSq_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelValid_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_HwDeg_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc	target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSpe	edValid_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpe	ed_Kph_f32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	1		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-2.62184381		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-606.626343		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	189.585571		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	408.612793		
Name	Actual Value	Expected Value	Result
TrqLOA LatAccScaleFactor Uls M f32	0.316917598	0.316917598	
TrqLOA_LatAccelSV_g_M_Str.SV_UIs_f32	0.176094562	0.176094562 ± 0.01	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-1.14968359	-1.14968359 ± 0.01	
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	
target TrqLOA Per1 TrqLOACmd MtrNm f32.value	0	0 ± 0.01	

Name	Input Value	
Rte Inst Ap TrqLOA	target Rte Inst Ap TrqLOA	
TrqLOA_LatAccScaleFactor_Uls_M_f32	1	
TrqLOA_LatAccelSV_g_M_Str.SV_UIs_f32	0.20000003	
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0680000037	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	4.32494402	
TrqLOA_TloaCmd_MtrNm_M_f32	-4.5	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-1.36366594	
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	2.8292191	
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	281.531555	
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-84.126976	
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	9.6188488	
k_TrqLOA_FallingRampRate_UlspS_f32	-20.8287029	
k_TrqLOA_LatAccConversionFactor_Uls_f32	10	
k_TrqLOA_LimOutput_MtrNm_f32	4.61489105	
k_TrqLOA_MaxScaleFactor_Uls_f32	0.107685447	
k_TrqLOA_MinScaleFactor_Uls_f32	0.799875379	
k_TrqLOA_NomDrvTrq_MtrNm_f32	6.94289446	
k_TrqLOA_RisingRampRate_UlspS_f32	481.265869	
k_TrqLOA_SteerRatio_Uls_f32	95.6874542	
k_TrqLOA_UndersteerGrad_RadpG_f32	0.216242597	
k_TrqLOA_Wheelbase_M_f32	8.72745705	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	6554	





Name	Input Value
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	8192
t2 TrqLOA DiffGainY Uls u1p15[0][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	9830
t2_TrqLOA_DiffGainY_UIs_u1p15[1][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	9830
t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	9830
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	9830 6554
t2_TrqLOA_DiffGainY_UIs_u1p15[4][0]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1] t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	9503
t2_TrqLOA_DiliGainY_Uls_u1p15[4][3]	9830
t2_TrqLOA_DiffGainY_UIs_u1p15[5][0]	6554
t2 TrqLOA DiffGainY Uls u1p15[5][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	9830
t2 TrqLOA DiffGainY Uls u1p15[6][0]	6554
t2_TrqLOA_DiffGainY_UIs_u1p15[6][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	9830
t2_TrqLOA_DiffGainY_UIs_u1p15[7][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	9503
t2_TrqLOA_DiffGainY_UIs_u1p15[7][3]	9830
t_TrqLOA_DiffGainX_G_u2p14[0]	32768
t_TrqLOA_DiffGainX_G_u2p14[1]	32768
t_TrqLOA_DiffGainX_G_u2p14[2]	32768
t_TrqLOA_DiffGainX_G_u2p14[3]	32768
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	14720
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	15040
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	15360
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	15680
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	16000
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	6554
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2] t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	13107 16384
t TrqLOA HighSpeedTrqBlend Y Uls u1p15[4]	19661
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	36864
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	37683
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	40960
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	41779
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	45056
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	45875
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	49152
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	49971
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	5734
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	10650
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	15974
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	16794
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	19251
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	20890
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	22938
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	24166
t_TrqLOA_X_Kph_u10p6[0]	4160
t_TrqLOA_X_Kph_u10p6[1]	4224
t_TrqLOA_X_Kph_u10p6[2]	4288
t_TrqLOA_X_Kph_u10p6[3]	4352
t_TrqLOA_X_Kph_u10p6[4]	4416
t_TrqLOA_X_Kph_u10p6[5]	4480
t_TrqLOA_X_Kph_u10p6[6]	4544
t_TrqLOA_X_Kph_u10p6[7]	4608
	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	torret Trai OA Part Lathan Massacs (22
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32 target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32 target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_Igc	target_TrqLOA_Per1_LatAcc_MpSecSq_f32 target_TrqLOA_Per1_LatAccelValid_Cnt_lgc

target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value





Name	Input Value		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCR	F_MtrRadpS_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPo	s_HwDeg_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc	target_TrqLOA_Per1_TrqLOAA	vail_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOAC	md_MtrNm_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSp	peedValid_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSp	peed_Kph_f32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	1		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-0.675880969		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-1273.69678		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-238.016922		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	456.901947		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.831746042	0.831746042	✓
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.173075408	0.173075408 ± 0.01	✓
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	~
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	✓
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-0.401134133	-0.401134163 ± 0.01	✓
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	✓

0

0 ± 0.01

Name	Input Value	
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA	
TrqLOA LatAccScaleFactor Uls M f32	1	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.25	
TrqLOA LatAccelSV g M Str.K Uls f32	0.0684999973	
TrqLOA ScaledMtrTrqCmd MtrNm M f32	1.82934463	
TrqLOA_TloaCmd_MtrNm_M_f32	-4	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-1.16281998	
<pre><_TrqLOA_AbsAssistThreshold_MtrNm_f32</pre>	4.86534548	
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	867.851563	
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-53.6917267	
TrgLOA DiffScaleRateLimiterRising UlspS f32	16.691412	
k TrqLOA FallingRampRate UlspS f32	-374.097443	
k TrgLOA LatAccConversionFactor Uls f32	9.38450527	
k_TrqLOA_LimOutput_MtrNm_f32	7.53103209	
k_TrqLOA_LiniOdiput_Mithin_i32	1	
k_TrqLOA_MinScaleFactor_Uls_f32	1	
k_TrqLOA_NomDrvTrq_MtrNm_f32	8.40066051	
k_TrqLOA_RisingRampRate_UlspS_f32	637.547485	
<pre><_frqLOA_steerRatio_Uls_f32</pre>	1.25581121	
k TrqLOA_Gleen\alio_Gls_i32	0.25	
TrqLOA_UndersteerGrad_NaupG_I32 TrqLOA Wheelbase M f32	11.7385378	
2 TrqLOA_Wifeeibase_M_132 2 TrqLOA DiffGainY Uls u1p15[0][0]	10158	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0] t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	12124	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1] t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	12780	
	13107	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3] t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	10158	
	12124	
12_TrqLOA_DiffGainY_Uls_u1p15[1][1]	12780	
2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	13107	
2_TrqLOA_DiffGainY_Uls_u1p15[1][3]		
2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	10158	
2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	12124	
2_TrqLOA_DiffGainY_UIs_u1p15[2][2]	12780	
2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	13107	
2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	10158	
2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	12124	
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	12780	
2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	13107	
2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	10158	
2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	12124	
2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	12780	
2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	13107	
2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	10158	
2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	12124	
2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	12780	
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	13107	
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	10158	

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Nama	Innut Value		
Name	Input Value		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	12124		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	12780		
t2_TrqLOA_DiffGainY_UIs_u1p15[6][3]	13107		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	10158		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	12124		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	12780		
t2_TrqLOA_DiffGainY_UIs_u1p15[7][3]	13107		
t_TrqLOA_DiffGainX_G_u2p14[0]	14090		
t_TrqLOA_DiffGainX_G_u2p14[1]	15073		
t_TrqLOA_DiffGainX_G_u2p14[2]	17039		
t_TrqLOA_DiffGainX_G_u2p14[3]	22938		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	16320		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	16640		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	16960		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	17280		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	17600		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	6554		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	9830		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	13107		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	16384		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	19661		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	53248		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	54067		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	56115		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	56934		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	58163		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	60211		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	60621		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	61030		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	6554		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	11878		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	16794		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	17203		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	20070		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	21709		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	24166		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	24986		
t_TrqLOA_X_Kph_u10p6[0]	4672		
t_TrqLOA_X_Kph_u10p6[1]	4736		
t_TrqLOA_X_Kph_u10p6[2]	4800		
t_TrqLOA_X_Kph_u10p6[3]	4864		
t_TrqLOA_X_Kph_u10p6[4]	4928		
t_TrqLOA_X_Kph_u10p6[5]	4992		
t_TrqLOA_X_Kph_u10p6[6]	5056		
t_TrqLOA_X_Kph_u10p6[7]	5120		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthority_	_Uls_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecSq_f3	32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelValid_Cnt_lq	ус	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMtgtnEn_0	Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrRadp		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_HwDeg_t	_	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOAAvail_Cnt_lg		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_MtrNm		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSpeedValid_0	_	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpeed_Kph_t		
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0.780942917		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	2.94417739		
target TrqLOA Per1 LatAccelValid Cnt Igc.value	1		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	1876.9718		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-885.495422		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	207.628235		
Name	Actual Value	Expected Value	Result
		•	Result
TrqLOA_LatAccScaleFactor_UIs_M_f32	0.89261651	0.89261657	
TrqLOA_LatAccelSV_g_M_Str.SV_UIs_f32 TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-2.72905231	-2.72905231 ± 0.01	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-0.122276023 -0.122276023	-0.122275971 ± 0.01 -0.122275971 ± 0.01	
TrqLOA_TloaCmd_MtrNm_M_f32	0.112275004	0.112274952 ± 0.01	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32			
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	~

-0.122276023

target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value

-0.122275971 ± 0.01



Test Step 2.111 (Repeat Count = 1)	Innut Value
Name Rto Jost An Tred CA	Input Value
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA
TrqLOA_LatAcceScaleFactor_Uls_M_f32	1 0.30000012
TrqLOA_LatAccelSV_g_M_Str.SV_UIs_f32 TrqLOA_LatAccelSV_g_M_Str.K_UIs_f32	0.0689999983
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	2.36725426
TrqLOA_Scaledwit TrqCritq_MitrNin_M_I32 TrqLOA_TloaCmd_MtrNm_M_f32	-3.5
TrqLOA_TrgBasedScaleFactor_Uls_M_f32	1.64986455
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	5.89984941
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	522.351868
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-40.4528542
k TrqLOA DiffScaleRateLimiterRising UlspS f32	41.0359154
k TrgLOA FallingRampRate UlspS f32	-800.21167
k_TrqLOA_LatAccConversionFactor_Uls_f32	5.93089724
k_TrqLOA_LimOutput_MtrNm_f32	1.52869093
k_TrqLOA_MaxScaleFactor_Uls_f32	1
k_TrqLOA_MinScaleFactor_Uls_f32	0.0462440252
k_TrqLOA_NomDrvTrq_MtrNm_f32	1.08389223
k_TrqLOA_RisingRampRate_UlspS_f32	481.94281
k_TrqLOA_SteerRatio_Uls_f32	35.2770653
k_TrqLOA_UndersteerGrad_RadpG_f32	0.25
k_TrqLOA_Wheelbase_M_f32	17.9989662
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	0
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	0
t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	0
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	0
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	19661
t2_TrqLOA_DiffGainY_UIs_u1p15[3][0]	13763
t2_TrqLOA_DiffGainY_UIs_u1p15[3][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	17039
t2_TrqLOA_DiffGainY_UIs_u1p15[3][3] t2_TrqLOA_DiffGainY_UIs_u1p15[4][0]	19661 13763
	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1] t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	17039
t2_rrqLOA_biifGainY_bis_u1p15[4][2] t2_rrqLOA_biffGainY_Uls_u1p15[4][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	15729
t2 TrgLOA DiffGainY Uls u1p15[6][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	19661
t2_TrqLOA_DiffGainY_UIs_u1p15[7][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	19661
t_TrqLOA_DiffGainX_G_u2p14[0]	15892
t_TrqLOA_DiffGainX_G_u2p14[1]	16876
t_TrqLOA_DiffGainX_G_u2p14[2]	19169
t_TrqLOA_DiffGainX_G_u2p14[3]	26214
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	17920
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	18240
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	18560
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	18880
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	19200
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	6554
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	16384
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	19661
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	4096
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	4915
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	8192
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	9011

TrqLOA_Per1





Name	Input Value		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	12288		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	13107		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	16384		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	17203		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	7373		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	13107		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	17613		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	17613		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	20890		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	22528		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	25395		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	25805		
t_TrqLOA_X_Kph_u10p6[0]	5184		
t_TrqLOA_X_Kph_u10p6[1]	5248		
t_TrqLOA_X_Kph_u10p6[2]	5312		
t_TrqLOA_X_Kph_u10p6[3]	5376		
t_TrqLOA_X_Kph_u10p6[4]	5440		
t_TrqLOA_X_Kph_u10p6[5]	5504		
t_TrqLOA_X_Kph_u10p6[6]	5568		
t_TrqLOA_X_Kph_u10p6[7]	5632		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAu	·	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSe	ecSq_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelValid	•	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMtg		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_H		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc	target_TrqLOA_Per1_TrqLOAAvail_		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc	target_TrqLOA_Per1_VehicleSpeed		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpeed	I_Kph_f32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0.214750648		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	9.64766216		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	0		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	1729.78186		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-781.014587		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc.value	0		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	340.668121	I=	I
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.919094265	0.919094265	•
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.18044731	0.18044728 ± 0.01	•
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-0.134502068	-0.134502113 ± 0.01	•
TrqLOA_TloaCmd_MtrNm_M_f32	-0.134502068	-0.134502113 ± 0.01	•
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.0494410992	0.0494411029 ± 0.01	•
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	•
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	-0.134502068	-0.134502113 ± 0.01	•

Name	Input Value	
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA	
TrqLOA_LatAccScaleFactor_Uls_M_f32	1	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.349999994	
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0694999993	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-7.46230745	
TrqLOA_TloaCmd_MtrNm_M_f32	-3	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.153644562	
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	2.6801877	
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	258.90741	
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-97.1158218	
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	27.0033207	
k_TrqLOA_FallingRampRate_UlspS_f32	-131.670029	
k_TrqLOA_LatAccConversionFactor_Uls_f32	0.827212989	
k_TrqLOA_LimOutput_MtrNm_f32	0.884970009	
k_TrqLOA_MaxScaleFactor_Uls_f32	0.665714741	
k_TrqLOA_MinScaleFactor_Uls_f32	0.460229158	
k_TrqLOA_NomDrvTrq_MtrNm_f32	6.75210524	
k_TrqLOA_RisingRampRate_UlspS_f32	446.973755	
k_TrqLOA_SteerRatio_Uls_f32	24.7843513	
k_TrqLOA_UndersteerGrad_RadpG_f32	0.25	
k_TrqLOA_Wheelbase_M_f32	13.5554199	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	32768	





Name	Input Value
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	32768
t2_TrqLOA_DiffGainY_UIs_u1p15[0][2]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	19333 21299
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2] t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	19333
t2_TrqLOA_DiffGainY_UIs_u1p15[3][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	19333
t2_TrqLOA_DiffGainY_UIs_u1p15[4][2]	21299
t2_TrqLOA_DiffGainY_UIs_u1p15[4][3]	26214
t2_TrqLOA_DiffGainY_UIs_u1p15[5][0]	17367 19333
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1] t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	19333
t2 TrqLOA DiffGainY UIs u1p15[6][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	19333
t2_TrqLOA_DiffGainY_UIs_u1p15[7][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	26214
t_TrqLOA_DiffGainX_G_u2p14[0]	17695
t_TrqLOA_DiffGainX_G_u2p14[1]	18678
t_TrqLOA_DiffGainX_G_u2p14[2]	21299
t_TrqLOA_DiffGainX_G_u2p14[3]	29491 14720
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0] t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	15040
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	15360
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	15680
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	16000
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	6554
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	16384
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	19661
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	20480
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	21299
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	24576
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	25395
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	28672 29491
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5] t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	32768
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	33587
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	8192
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	14336
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	18432
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	18022
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	21709
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	23347
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	26624
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	26624
t_TrqLOA_X_Kph_u10p6[0]	5696
t_TrqLOA_X_Kph_u10p6[1]	5760
t_TrqLOA_X_Kph_u10p6[2]	5824
t_TrqLOA_X_Kph_u10p6[3]	5888 5952
t_TrqLOA_X_Kph_u10p6[4] t_TrqLOA_X_Kph_u10p6[5]	6016
t_TrqLOA_X_Kph_u10p6[6]	6080
t_TrqLOA_X_Kph_u10p6[7]	6144
target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecSq_f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelValid_Cnt_Igc
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc





Name	Input Value		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF	_MtrRadpS_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos	_HwDeg_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc	target_TrqLOA_Per1_TrqLOAAva	ail_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACm	nd_MtrNm_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSpe	eedValid_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpe	eed_Kph_f32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	1		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	9.0337286		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	0		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	13.3415737		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-708.155701		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	473.892212		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.805768371	0.805768371	~
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.19116807	0.19116807 ± 0.01	✓
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-1.44628334	-1.44628322 ± 0.01	✓
TrqLOA_TloaCmd_MtrNm_M_f32	-0.884970009	-0.884970009 ± 0.01	•
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.460229158	0.460229158 ± 0.01	✓
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	1	1	~
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	-0.884970009	-0.884970009 ± 0.01	

Test Step 2.113 (Repeat Count = 1)		
Name	Input Value	
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA	
TrqLOA_LatAccScaleFactor_Uls_M_f32	1	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.40000006	
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0700000003	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	3.66137505	
TrqLOA_TloaCmd_MtrNm_M_f32	-2.5	
FrqLOA_TrqBasedScaleFactor_Uls_M_f32	2	
<pre>x_TrqLOA_AbsAssistThreshold_MtrNm_f32</pre>	3.75012302	
<pre>c_TrqLOA_AbsVelThreshold_MtrRadpS_f32</pre>	131.759247	
TrgLOA DiffScaleRateLimiterFalling UlspS f32	-59.3503685	
c_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	12.0358582	
c_TrqLOA_FallingRampRate_UlspS_f32	-120.204285	
TrgLOA LatAccConversionFactor Uls f32	10	
TrgLOA LimOutput MtrNm f32	1.80586672	
<pre><_rrqLOA_MaxScaleFactor_Uls_f32</pre>	1	
C_TrqLOA_MinScaleFactor_Uls_f32	1	
C TrgLOA NomDrvTrg MtrNm f32	6.13124275	
TrgLOA RisingRampRate UlspS f32	743.417419	
C_TrqLOA_SteerRatio_Uls_f32	50.2993546	
TrqLOA UndersteerGrad RadpG f32	0.25	
C_TrqLOA_Wheelbase_M_f32	8.21659184	
2 TrqLOA DiffGainY Uls u1p15[0][0]	655	
2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	2458	
2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	4915	
2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	6226	
2 TrqLOA_DiffGainY_UIs_u1p15[0][0]	655	
2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	2458	
2_TrqLOA_DiliGainY_Uis_u1p15[1][1] 2_TrqLOA_DilfGainY_Uis_u1p15[1][2]	4915	
	6226	
2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	655	
2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	***	
2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	2458	
2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	4915	
2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	6226	
2_TrqLOA_DiffGainY_UIs_u1p15[3][0]	655	
2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	2458	
2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	4915	
2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	6226	
2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	655	
2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	2458	
2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	4915	
2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	6226	
2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	655	
2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	2458	
2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	4915	
2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	6226	
2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	655	

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2015-06-23, 13:18:09+0530





Name	Input Value		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	2458		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	4915		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	6226		
t2_TrqLOA_DiffGainY_UIs_u1p15[7][0]	655		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	2458		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	4915		
t2_TrqLOA_DiffGainY_UIs_u1p15[7][3]	6226		
t_TrqLOA_DiffGainX_G_u2p14[0]	328		
t_TrqLOA_DiffGainX_G_u2p14[1] t_TrqLOA_DiffGainX_G_u2p14[2]	1229 2458		
t_TrqLOA_DiffGainX_G_u2p14[3]	3113		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	16320		
t TrqLOA HighSpeedTrqBlend X Kph u10p6[1]	16640		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	16960		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	17280		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	17600		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	6554		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	9830		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	13107		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	16384		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	19661		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0] t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	36864 37683		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	40960		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	41779		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	45056		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	45875		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	49152		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	49971		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	9011		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	15565		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	19251		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	18432		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	22528		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	24166 27853		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6] t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	27443		
t_TrqLOA_X_Kph_u10p6[0]	6208		
t_TrqLOA_X_Kph_u10p6[1]	6272		
t_TrqLOA_X_Kph_u10p6[2]	6336		
t_TrqLOA_X_Kph_u10p6[3]	6400		
t_TrqLOA_X_Kph_u10p6[4]	6464		
t_TrqLOA_X_Kph_u10p6[5]	6528		
t_TrqLOA_X_Kph_u10p6[6]	6592		
t_TrqLOA_X_Kph_u10p6[7]	6656		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_Handwheel	,	
target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_Mp8		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_Igc target_Rte_Inst_Ap_TrqLOA.TrqLOA Per1_MotAqLoaMtqtnEn_Cnt_Igc	target_TrqLOA_Per1_LatAccelVal target TrqLOA Per1 MotAgLoaM		
target Rte Inst Ap TrqLOA.TrqLOA Per1 MtrVelCRF MtrRadpS f32	target_TrqLOA_Per1_MtrVelCRF_		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOAAva		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmo		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc	target_TrqLOA_Per1_VehicleSpee		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpee	ed_Kph_f32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0.919281602		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	8.82346725		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	0		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-1616.61987		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-709.949158 0		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc.value target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	365.18869		
Name		Expected Value	Passit
TrqLOA_LatAccScaleFactor_Uls_M_f32	Actual Value	0.881299257	Result
TrqLOA_LatAccsCaleFactor_Uis_M_f32 TrqLOA_LatAccelSV_g_M_Str.SV_Uis_f32	0.881299257 0.305118859	0.881299257 0.305118859 ± 0.01	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-2.92161059	-2.92161107 ± 0.01	
TrqLOA_TloaCmd_MtrNm_M_f32	-1.80586672	-1.80586672 ± 0.01	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	1.75959146	1.75959146 ± 0.01	
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	•





Test Step 2.114 (Repeat Count = 1)	
Name	Input Value
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.0884144306
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.449999988
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0705000013
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	5.62283564
TrqLOA_TloaCmd_MtrNm_M_f32	-2
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	2
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	9.11996746
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	700.585754
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32 k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	-34.7888794 70.3214874
k_TrqLOA_FallingRampRate_UlspS_f32	-762.936279
k_TrqLOA_LatAccConversionFactor_Uls_f32	5.28748608
k TrqLOA LimOutput MtrNm f32	6.36147499
k_TrqLOA_MaxScaleFactor_Uls_f32	1
k_TrqLOA_MinScaleFactor_Uls_f32	0.498461246
k_TrqLOA_NomDrvTrq_MtrNm_f32	7.23000097
k_TrqLOA_RisingRampRate_UlspS_f32	217.914246
k_TrqLOA_SteerRatio_Uls_f32	85.3937531
k_TrqLOA_UndersteerGrad_RadpG_f32	0.25
k_TrqLOA_Wheelbase_M_f32	7.21021843
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1] t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	8192 9503
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	9830
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	0
t2 TrqLOA DiffGainY Uls u1p15[1][1]	0
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	0
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	0
t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	9830
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	8192 9503
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2] t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	9830
t2_TrqLOA_DiffGainY_UIs_u1p15[4][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	9830
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	9503
t2_TrqLOA_DiffGainY_UIs_u1p15[5][3]	9830
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1] t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	8192 9503
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	9830
t2_TrqLOA_DiffGainY_UIs_u1p15[7][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	9830
t_TrqLOA_DiffGainX_G_u2p14[0]	3277
t_TrqLOA_DiffGainX_G_u2p14[1]	4096
t_TrqLOA_DiffGainX_G_u2p14[2]	4751
t_TrqLOA_DiffGainX_G_u2p14[3]	4915
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	17920 18240
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1] t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	18560
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	18880
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	19200
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	6554
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	16384
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	19661
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	53248
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	54067
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	56115
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	56934





Name	Input Value		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	58163		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	60211		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	60621		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	61030		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	9830		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	16794		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	20070		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	18842		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	23347		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	24986		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	29082		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	28262		
t_TrqLOA_X_Kph_u10p6[0]	6720		
t_TrqLOA_X_Kph_u10p6[1]	6784		
t_TrqLOA_X_Kph_u10p6[2]	6848		
t_TrqLOA_X_Kph_u10p6[3]	6912		
t_TrqLOA_X_Kph_u10p6[4]	6976		
t_TrqLOA_X_Kph_u10p6[5]	7040		
t_TrqLOA_X_Kph_u10p6[6]	7104		
t_TrqLOA_X_Kph_u10p6[7]	7168		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_Handwhe	elAuthority_Uls_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_M	· -	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelV	/alid_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoa	· ·	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_HwDeg_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc	target_TrqLOA_Per1_TrqLOAAvail_Cnt_Igc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOAC		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSp	0	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSp	peed_Kph_f32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	1		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-6.70205975		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	0		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-644.951233		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	521.019287		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	298.393005		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.229057416	0.229057401	•
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.447117329	0.447117329 ± 0.01	•
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	•
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	•
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.498461246	0.498461246 ± 0.01	•
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	•
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0	0 ± 0.01	•

Name	Input Value	
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA	
TrqLOA_LatAccScaleFactor_Uls_M_f32	1	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.5	
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0710000023	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	8.80000019	
TrqLOA_TloaCmd_MtrNm_M_f32	-1.5	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	1.53825235	
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	7.83398104	
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	121.14772	
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-48.6093979	
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	25.7523804	
k_TrqLOA_FallingRampRate_UlspS_f32	-325.548462	
k_TrqLOA_LatAccConversionFactor_Uls_f32	1.87461627	
k_TrqLOA_LimOutput_MtrNm_f32	6.87725496	
k_TrqLOA_MaxScaleFactor_Uls_f32	1	
k_TrqLOA_MinScaleFactor_Uls_f32	1	
k_TrqLOA_NomDrvTrq_MtrNm_f32	8.06271744	
k_TrqLOA_RisingRampRate_UlspS_f32	890.627869	
k_TrqLOA_SteerRatio_Uls_f32	63.9423447	
k_TrqLOA_UndersteerGrad_RadpG_f32	0.25	
k_TrqLOA_Wheelbase_M_f32	13.8916626	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	10158	





Name	Input Value
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	12124
t2_TrqLOA_DiffGainY_UIs_u1p15[0][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	12124 12780
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2] t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	13107
t2_TrqLOA_DiffGainY_UIs_u1p15[5][0]	10158
t2_TrqLOA_DiffGainY_UIs_u1p15[5][1]	12124
t2 TrqLOA DiffGainY UIs u1p15[5][2]	12780
t2_TrqLOA_DiffGainY_UIs_u1p15[5][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	13107
t_TrqLOA_DiffGainX_G_u2p14[0]	5079
t_TrqLOA_DiffGainX_G_u2p14[1]	6062
t_TrqLOA_DiffGainX_G_u2p14[2]	6390
t_TrqLOA_DiffGainX_G_u2p14[3]	6554
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	320
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	640
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	960
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	1280
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	1600
t_TrqLOA_HighSpeedTrqBlend_Y_UIs_u1p15[0]	9830 13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1] t TrqLOA HighSpeedTrqBlend Y Uls u1p15[2]	16384
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	19661
t TrqLOA_HighSpeedTrqBlend Y Uls u1p15[4]	22938
t_TrqLOA_tatAccGain_Y_MtrNmpG_u4p12[0]	4096
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	4915
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	8192
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	9011
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	12288
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	13107
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	16384
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	17203
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	10650
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	18022
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	20890
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	19251
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	24166
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	25805
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	30310
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	29082
t_TrqLOA_X_Kph_u10p6[0]	7232
t_TrqLOA_X_Kph_u10p6[1]	7296
t_TrqLOA_X_Kph_u10p6[2]	7360
t_TrqLOA_X_Kph_u10p6[3]	7424
t_TrqLOA_X_Kph_u10p6[4]	7488
t_TrqLOA_X_Kph_u10p6[5]	7552
t_TrqLOA_X_Kph_u10p6[6]	7616
t_TrqLOA_X_Kph_u10p6[7]	7680
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthority_UIs_f32
	TOTAL TALLIA DATA LOTACO MOSOCSO TSA
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32 target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAcc_MpSecSq_f32 target_TrqLOA_Per1_LatAccelValid_Cnt_lgc

 $target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value$

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Name	Input Value		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_I	MtrRadpS_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_H	lwDeg_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOAAvail	_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd	_MtrNm_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSpee	dValid_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpee	d_Kph_f32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	1		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	8.28095341		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	0		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	942.877319		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-470.462677		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	237.49881		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.902781188	0.902781188	✓
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.432089001	0.432089001 ± 0.01	✓
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	✓
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	~
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	1	1 ± 0.01	~
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	1	1	~

0

0 ± 0.01

Name	Input Value
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA
TrqLOA LatAccScaleFactor Uls M f32	1
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.550000012
TrqLOA LatAccelSV g M Str.K Uls f32	0.0715000033
TrgLOA ScaledMtrTrgCmd MtrNm M f32	-1.32079208
TrqLOA_TloaCmd_MtrNm_M_f32	-1
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	1.37349057
<pre><_TrqLOA_AbsAssistThreshold_MtrNm_f32</pre>	10
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	417.774933
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-92.0521927
TrgLOA DiffScaleRateLimiterRising UlspS f32	65.2838593
k TrqLOA FallingRampRate UlspS f32	-230.849899
k TrgLOA_r allingramprate_olspo_lo2 k TrgLOA LatAccConversionFactor Uls f32	10
k_TrqLOA_LimOutput_MtrNm_f32	1.3696003
k_TrqLOA_Limotiput_within_i32	1.3090003
k_TrqLOA_MinScaleFactor_Uls_f32	1
k_TrqLOA_NomDrvTrq_MtrNm_f32	7.26509142
k_TrqLOA_RisingRampRate_UlspS_f32	19.8123493
k_TrqLOA_SteerRatio_Uls_f32	20.5512066
k TrqLOA_GleenVallo_Gis_i32	0.215767324
TrqLOA_UndersteerGrad_NaupG_I32 TrqLOA Wheelbase M f32	2.07911134
2 TrqLOA DiffGainY Uls u1p15[0][0]	13763
IZ_TIQLOA_DINGAINT_DIS_UTP15[0][0] IZ_TIQLOA_DIffGainY_UIs_u1p15[0][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	17039
	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	13763
12_TrqLOA_DiffGainY_Uls_u1p15[1][0]	15703
12_TrqLOA_DiffGainY_Uls_u1p15[1][1]	17039
2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	19661
I2_TrqLOA_DiffGainY_UIs_u1p15[1][3]	
2_TrqLOA_DiffGainY_UIs_u1p15[2][0]	13763
2_TrqLOA_DiffGainY_UIs_u1p15[2][1]	15729
2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	17039
2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	19661 13763
12_TrqLOA_DiffGainY_Uls_u1p15[3][0]	15729
12_TrqLOA_DiffGainY_UIs_u1p15[3][1]	
12_TrqLOA_DiffGainY_Uls_u1p15[3][2]	17039
I2_TrqLOA_DiffGainY_UIs_u1p15[3][3]	19661
2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	13763
2_TrqLOA_DiffGainY_UIs_u1p15[4][1]	15729
2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	17039
2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	13763
12_TrqLOA_DiffGainY_Uls_u1p15[5][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	13763

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Name	Input Value		
t2_TrqLOA_DiffGainY_UIs_u1p15[6][1]	15729		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	17039		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	19661		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	13763		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	15729		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	17039		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	19661		
t_TrqLOA_DiffGainX_G_u2p14[0]	6881		
t_TrqLOA_DiffGainX_G_u2p14[1]	7864		
t_TrqLOA_DiffGainX_G_u2p14[2]	8520		
t_TrqLOA_DiffGainX_G_u2p14[3]	9830		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	1920		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	2240		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	2560		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	2880 3200		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	6554		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	9830		
t_TrqLOA_HighSpeedTrqBlend_Y_UIs_u1p15[1]	13107		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	16384		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]			
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	19661 20480		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0] t TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	21299		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1] t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	21299		
t TrqLOA_LatAccGain Y MtrNmpG u4p12[3]	25395		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	28672		
t TrqLOA_LatAccGain Y MtrNmpG_u4p12[5]	29491		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	32768		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	33587		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	11469		
t TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	19251		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	21709		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	19661		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	24986		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	26624		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	31539		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	29901		
t_TrqLOA_X_Kph_u10p6[0]	7744		
t_TrqLOA_X_Kph_u10p6[1]	7808		
t_TrqLOA_X_Kph_u10p6[2]	7872		
t_TrqLOA_X_Kph_u10p6[3]	7936		
t_TrqLOA_X_Kph_u10p6[4]	8000		
t_TrqLOA_X_Kph_u10p6[5]	8000		
t_TrqLOA_X_Kph_u10p6[6]	8128		
t_TrqLOA_X_Kph_u10p6[7]	8192		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target TrqLOA Per1 HandwheelA	Authority Uls f32	
target Rte Inst Ap TrqLOA.TrqLOA Per1 LatAcc MpSecSq f32	target_TrqLOA_Per1_LatAcc_MpS	·	
target Rte Inst Ap TrqLOA.TrqLOA Per1 LatAccelValid Cnt Igc	target TrqLOA Per1 LatAccelVali		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaM		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_I		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc	target_TrqLOA_Per1_TrqLOAAvai		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSpee		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpee		
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	1		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	4.30011368		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	0		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	425.325989		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-722.849121		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	404.025146		
Name	Actual Value	Expected Value	Result
TrgLOA LatAccScaleFactor UIs M f32	0.815895617	0.815895617	
TrqLOA LatAccelSV g M Str.SV UIs f32	0.308763355	0.308763325 ± 0.01	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-3.57368302	-3.57368302 ± 0.01	
TrqLOA_TloaCmd_MtrNm_M_f32	-1.3696003	-1.3696003 ± 0.01	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	1	1 ± 0.01	
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	1	1	





Test Step 2.117 (Repeat Count = 1)	✓
Name	Input Value
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.19543159
TrqLOA LatAccelSV g M Str.SV UIs f32	0.600000024
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0719999969
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	6.3116827
TrqLOA_TloaCmd_MtrNm_M_f32	-0.5
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	2
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	7.97127008
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	36.6413078
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-92.0732269
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	46.1544571
k_TrqLOA_FallingRampRate_UlspS_f32	-543.844055
k_TrqLOA_LatAccConversionFactor_Uls_f32 k_TrqLOA_LimOutput_MtrNm_f32	3.59191108 2.21100903
k_TrqLOA_LiniOutput_MinNin_132 k_TrqLOA_MaxScaleFactor_Uls_f32	0.302499175
k_TrqLOA_MinScaleFactor_Uls_f32	1
k_TrqLOA_NomDrvTrq_MtrNm_f32	1.49389577
k_TrqLOA_RisingRampRate_UlspS_f32	879.470337
k_TrqLOA_SteerRatio_Uls_f32	42.7107048
k_TrqLOA_UndersteerGrad_RadpG_f32	0.25
k_TrqLOA_Wheelbase_M_f32	16.6651707
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	26214
t2_TrqLOA_DiffGainY_UIs_u1p15[1][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[2][0] t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	0
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	0
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	0
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	26214
t2_TrqLOA_DiffGainY_UIs_u1p15[4][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	26214
t2_TrqLOA_DiffGainY_UIs_u1p15[5][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	26214 17367
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0] t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	26214
t_TrqLOA_DiffGainX_G_u2p14[0]	8684
t_TrqLOA_DiffGainX_G_u2p14[1]	9667
t_TrqLOA_DiffGainX_G_u2p14[2]	10650
t_TrqLOA_DiffGainX_G_u2p14[3]	13107
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	3520
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	3840
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	4160
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3] t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	4480 4800
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	6554
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	16384
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	19661
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	36864
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	37683
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	40960
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	41779





Name	Input Value			
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	45056			
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	45875	45875		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	49152			
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	49971			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	12288			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	20480			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	22528			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	20070			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	25805			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	27443			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	32768			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	30720			
t_TrqLOA_X_Kph_u10p6[0]	8256			
t_TrqLOA_X_Kph_u10p6[1]	8320			
t_TrqLOA_X_Kph_u10p6[2]	8384			
t_TrqLOA_X_Kph_u10p6[3]	8448			
t_TrqLOA_X_Kph_u10p6[4]	8512			
t_TrqLOA_X_Kph_u10p6[5]	8576			
t_TrqLOA_X_Kph_u10p6[6]	8640			
t_TrqLOA_X_Kph_u10p6[7]	8704			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecSq_f32			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelValid_Cnt_lgc			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_HwDeg_f32			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd	_MtrNm_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc	target_TrqLOA_Per1_VehicleSpee	dValid_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpee	d_Kph_f32		
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0.0375167131			
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-8.22446823			
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	1			
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	0			
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-7.13535595			
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-915.505249			
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1			
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	304.914886			
Name	Actual Value	Expected Value	Result	
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.287740499	0.287740499		
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.458055556	0.458055526 ± 0.01		
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-1.29484546	-1.29484546 ± 0.01		
TrqLOA_TloaCmd_MtrNm_M_f32	-1.29484546	-1.29484546 ± 0.01	•	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	1	1 ± 0.01	•	
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	•	
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	-1.29484546	-1.29484546 ± 0.01		

Name	Input Value	
Rte Inst Ap TrgLOA	target Rte Inst Ap TrqLOA	
TrqLOA LatAccScaleFactor Uls M f32	1	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.649999976	
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0724999979	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-5.10264874	
TrqLOA_TloaCmd_MtrNm_M_f32	0	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-1.53738272	
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	3.86057854	
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	91.7356949	
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-60.7743607	
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	51.3350792	
k_TrqLOA_FallingRampRate_UlspS_f32	-81.2285538	
k_TrqLOA_LatAccConversionFactor_Uls_f32	5.59152317	
k_TrqLOA_LimOutput_MtrNm_f32	2.01894808	
k_TrqLOA_MaxScaleFactor_Uls_f32	0.768612146	
k_TrqLOA_MinScaleFactor_Uls_f32	0.370501518	
k_TrqLOA_NomDrvTrq_MtrNm_f32	3.48720717	
k_TrqLOA_RisingRampRate_UlspS_f32	493.299835	
k_TrqLOA_SteerRatio_Uls_f32	94.0239563	
k_TrqLOA_UndersteerGrad_RadpG_f32	0.103192776	
k_TrqLOA_Wheelbase_M_f32	3.4305203	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	655	





Name	Input Value
t2_TrqLOA_DiffGainY_UIs_u1p15[0][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	655
t2_TrqLOA_DiffGainY_UIs_u1p15[1][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	4915 6226
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3] t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	32768
t2 TrqLOA DiffGainY Uls u1p15[2][2]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	655
t2_TrqLOA_DiffGainY_UIs_u1p15[4][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0] t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	655 2458
t2_IrqLOA_DIRGainY_DIS_U1p15[5][1] t2_TrqLOA_DIRGainY_UIs_u1p15[5][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	2458
t2_TrqLOA_DiffGainY_UIs_u1p15[7][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	6226
t_TrqLOA_DiffGainX_G_u2p14[0]	10486
t_TrqLOA_DiffGainX_G_u2p14[1]	11469
t_TrqLOA_DiffGainX_G_u2p14[2] t_TrqLOA_DiffGainX_G_u2p14[3]	12780 16384
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	5120
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	5440
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	5760
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	6080
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	6400
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	6554
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	16384
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	19661
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	53248
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1] t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	54067 56115
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	56934
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	58163
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	60211
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	60621
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	61030
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	13107
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	21709
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	23347
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	20480
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	26624
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	28262
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6] t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	33997 31539
t_TrqLOA_X_Kph_u10p6[0]	8768
t_TrqLOA_X_Kph_u10p6[1]	8832
t_TrqLOA_X_Kph_u10p6[2]	8896
t_TrqLOA_X_Kph_u10p6[3]	8960
t_TrqLOA_X_Kph_u10p6[4]	9024
t_TrqLOA_X_Kph_u10p6[5]	9088
t_TrqLOA_X_Kph_u10p6[6]	9152
t_TrqLOA_X_Kph_u10p6[7]	9216
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecSq_f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelValid_Cnt_Igc
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_Igc	target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc

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Name	Input Value		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_Mt	rRadpS_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_Hw	Deg_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc	target_TrqLOA_Per1_TrqLOAAvail_0	Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_M	/ltrNm_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc	target_TrqLOA_Per1_VehicleSpeed\	/alid_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpeed_	Kph_f32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0.420737267		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-3.56191611		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	0		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-1006.46796		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	385.847076		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	392.839417		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.878451288	0.878451288	~
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.651854038	0.651854038 ± 0.01	✓
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	✓
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	✓
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-0.550782979	-0.550783038 ± 0.01	✓
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	✓
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0	0 ± 0.01	✓

Name	Input Value	
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA	
TrqLOA_LatAccScaleFactor_Uls_M_f32		
FrqLOA_LatAccelSV_g_M_Str.SV_UIs_f32	0.10000001 0.072999989	
TrqLOA_LatAccelSV_g_M_Str.K_UIs_f32		
FrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-1.82143354 0.5	
FrqLOA_TloaCmd_MtrNm_M_f32	11	
FrqLOA_TrqBasedScaleFactor_Uls_M_f32	-0.583380878	
C_TrqLOA_AbsAssistThreshold_MtrNm_f32	4.1499008	
	876.559387	
x_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-77.9407883	
x_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	59.853447	
x_TrqLOA_FallingRampRate_UlspS_f32	-352.786621	
x_TrqLOA_LatAccConversionFactor_Uls_f32	6.628057	
c_TrqLOA_LimOutput_MtrNm_f32	2.33613467	
x_TrqLOA_MaxScaleFactor_Uls_f32	1	
<pre><_TrqLOA_MinScaleFactor_Uls_f32</pre>	0.544707656	
x_TrqLOA_NomDrvTrq_MtrNm_f32	6.10560083	
<pre><_TrqLOA_RisingRampRate_UlspS_f32</pre>	266.088531	
C_TrqLOA_SteerRatio_Uls_f32	5.45895815	
<pre><_TrqLOA_UndersteerGrad_RadpG_f32</pre>	0.25	
x_TrqLOA_Wheelbase_M_f32	6.65763712	
2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	6554	
2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	8192	
2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	9503	
2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	9830	
2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	6554	
2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	8192	
2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	9503	
2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	9830	
2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	13763	
2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	15729	
2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	17039	
2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	19661	
2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	6554	
2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	8192	
2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	9503	
2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	9830	
2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	6554	
2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	8192	
2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	9503	
2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	9830	
2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	6554	
2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	8192	
2_TrqLOA_DiffGainY_UIs_u1p15[5][2]	9503	
2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	9830	
2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	6554	

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Name	Input Value		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	8192		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	9503		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	9830		
t2_TrqLOA_DiffGainY_UIs_u1p15[7][0]	6554		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	8192		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	9503		
t2_TrqLOA_DiffGainY_UIs_u1p15[7][3]	9830		
t_TrqLOA_DiffGainX_G_u2p14[0]	12288		
t_TrqLOA_DiffGainX_G_u2p14[1] t_TrqLOA_DiffGainX_G_u2p14[2]	13271 14909		
t_TrqLOA_DiffGainX_G_u2p14[3]	19661		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	6720		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	7040		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	7360		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	7680		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	8000		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	6554		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	9830		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	13107		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	16384		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	19661		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	4096		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1] t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	4915 8192		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	9011		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	12288		
t TrqLOA LatAccGain Y MtrNmpG u4p12[5]	13107		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	16384		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	17203		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	13926		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	22938		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	24166		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	20890		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	27443		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	29082 35226		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6] t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	32358		
t_TrqLOA_X_Kph_u10p6[0]	9280		
t_TrqLOA_X_Kph_u10p6[1]	9344		
t_TrqLOA_X_Kph_u10p6[2]	9408		
t_TrqLOA_X_Kph_u10p6[3]	9472		
t_TrqLOA_X_Kph_u10p6[4]	9536		
t_TrqLOA_X_Kph_u10p6[5]	9600		
t_TrqLOA_X_Kph_u10p6[6]	9664		
t_TrqLOA_X_Kph_u10p6[7]	9728		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_Handwheel		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_Mp		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelVal		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MotAgLoaN target_TrqLOA_Per1_MtrVelCRF_	· ·	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_		
target Rte Inst Ap TrqLOA.TrqLOA Per1 TrqLOAAvail Cnt Igc	target_TrqLOA_Per1_TrqLOAAva		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACm		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSpe		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpe		
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0.147906661		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	1.12150919		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	0		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	1629.86719		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	689.825684		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	341.284576		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value		Expected Value	Parent!
Name Trail OA LetAceScaleFactor, Ille, M. 622	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32 TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.844118416 0.718517244	0.844118416 0.718517303 ± 0.01	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0.718517244	0.718517303 ± 0.01 0 ± 0.01	
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	
	The state of the s	-0.0512038134 ± 0.01	
IrgLOA IrgBasedScaleFactor UIs M 132	-0.0512037673		
TrqLOA_TrqBasedScaleFactor_Uls_M_f32 target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	-0.0512037873 0	0	•



Name Rte_Inst_Ap_TrqLOA TrqLOA_LatAccScaleFactor_Uls_M_f32	Input Value target_Rte_Inst_Ap_TrqLOA
TrqLOA_LatAccScaleFactor_Uls_M_f32	target_inte_inst_hp_riquon
	0.856627464
TrqLOA LatAccelSV g M Str.SV Uls f32	0.150000006
TrqLOA_LatAccelSV g M Str.K Uls f32	0.0734999999
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-3.64224005
TrqLOA_TloaCmd_MtrNm_M_f32	1
TrqLOA TrqBasedScaleFactor Uls M f32	-0.575818539
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	5.72224617
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	614.205139
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-60.9445
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	56.8051186
k_TrqLOA_FallingRampRate_UlspS_f32	-947.540466
k_TrqLOA_LatAccConversionFactor_Uls_f32	3.5310955
k_TrqLOA_LimOutput_MtrNm_f32	1.54906464
k_TrqLOA_MaxScaleFactor_Uls_f32	1
k_TrqLOA_MinScaleFactor_Uls_f32	0.282221079
k_TrqLOA_NomDrvTrq_MtrNm_f32	6.14293718
k_TrqLOA_RisingRampRate_UlspS_f32	537.828125
k_TrqLOA_SteerRatio_Uls_f32	18.7796841
k_TrqLOA_UndersteerGrad_RadpG_f32	0.25
k_TrqLOA_Wheelbase_M_f32	2.62554789
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	12780 13107
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3] t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	0
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	0
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	0
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	0
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	13107
t2 TrqLOA DiffGainY Uls u1p15[5][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	12124
t2 TrgLOA DiffGainY UIs u1p15[5][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	13107
t2 TrqLOA DiffGainY Uls u1p15[6][0]	10158
t2_TrqLOA_DiffGainY_UIs_u1p15[6][1]	12124
t2_TrqLOA_DiffGainY_UIs_u1p15[6][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	13107
t_TrqLOA_DiffGainX_G_u2p14[0]	14090
t_TrqLOA_DiffGainX_G_u2p14[1]	15073
t_TrqLOA_DiffGainX_G_u2p14[2]	17039
t_TrqLOA_DiffGainX_G_u2p14[3]	22938
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	8320
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	8640
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	8960
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	9280
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	9600
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	6554
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	16384
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	19661
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	20480
Test OA LetAssOcia V Matte	
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1] t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	21299 24576





Name	Input Value			
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	28672			
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	29491			
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	32768			
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	33587			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	4096			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	8192			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	14336			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	15974			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	17613			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	19251			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	20480			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	22528			
t_TrqLOA_X_Kph_u10p6[0]	9792			
t_TrqLOA_X_Kph_u10p6[1]	9856			
t_TrqLOA_X_Kph_u10p6[2]	9920			
t_TrqLOA_X_Kph_u10p6[3]	9984			
t_TrqLOA_X_Kph_u10p6[4]	10048			
t_TrqLOA_X_Kph_u10p6[5]	10112			
t_TrqLOA_X_Kph_u10p6[6]	10176			
t_TrqLOA_X_Kph_u10p6[7]	10240			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_Handwhee	elAuthority_Uls_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecSq_f32			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_Igc	target_TrqLOA_Per1_LatAccelValid_Cnt_lgc			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_HwDeg_f32			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACn	nd_MtrNm_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc	target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpe	eed_Kph_f32		
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0.210905313			
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	3.24548841			
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	1			
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1			
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	557.287415			
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	35.2206078			
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1			
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	83.2928467			
Name	Actual Value	Expected Value	Result	
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.734738469	0.734738469		
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.147045523	0.147045508 ± 0.01		
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	•	
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	•	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.282221079	0.282221079 ± 0.01	•	
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	•	
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0	0 ± 0.01		

Test Step 2.121 (Repeat Count = 1)	<u> </u>	
Name	Input Value	
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA	
TrqLOA_LatAccScaleFactor_Uls_M_f32	1	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.200000003	
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.074000001	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	8.80000019	
TrqLOA_TloaCmd_MtrNm_M_f32	1.5	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-0.76970917	
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	6.74650621	
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	317.604797	
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-90.4868851	
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	17.3672791	
k_TrqLOA_FallingRampRate_UlspS_f32	-753.307373	
k_TrqLOA_LatAccConversionFactor_Uls_f32	3.927809	
k_TrqLOA_LimOutput_MtrNm_f32	5.25430536	
k_TrqLOA_MaxScaleFactor_Uls_f32	0.202163577	
k_TrqLOA_MinScaleFactor_Uls_f32	0.664285302	
k_TrqLOA_NomDrvTrq_MtrNm_f32	8.69087601	
k_TrqLOA_RisingRampRate_UlspS_f32	639.479919	
k_TrqLOA_SteerRatio_Uls_f32	4.69030809	
k_TrqLOA_UndersteerGrad_RadpG_f32	0.199088082	
k_TrqLOA_Wheelbase_M_f32	1.61778116	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	13763	





Name	Input Value
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	19661
t2_TrqLOA_DiffGainY_UIs_u1p15[2][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	17039
t2_TrqLOA_DiffGainY_UIs_u1p15[6][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	19661
t_TrqLOA_DiffGainX_G_u2p14[0]	15892
t_TrqLOA_DiffGainX_G_u2p14[1]	16876
t_TrqLOA_DiffGainX_G_u2p14[2]	19169
t_TrqLOA_DiffGainX_G_u2p14[3]	26214
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	9920
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	10240
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	10560
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	10880
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4] t TrqLOA HighSpeedTrqBlend Y UIs u1p15[0]	11200 6554
	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1] t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	16384
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	19661
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	36864
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	37683
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	40960
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	41779
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	45056
t TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	45875
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	49152
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	49971
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	4915
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	9421
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	15155
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	16384
t TrqLOA TempTrqCmdSatYTbl MtrNm u4p12[4]	18432
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	20070
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	21709
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	23347
t_TrqLOA_X_Kph_u10p6[0]	10304
t_TrqLOA_X_Kph_u10p6[1]	10368
t_TrqLOA_X_Kph_u10p6[2]	10432
t_TrqLOA_X_Kph_u10p6[3]	10496
t_TrqLOA_X_Kph_u10p6[4]	10560
t_TrqLOA_X_Kph_u10p6[5]	10624
t_TrqLOA_X_Kph_u10p6[6]	10688
t_TrqLOA_X_Kph_u10p6[7]	10752
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32
g	target_TrqLOA_Per1_LatAcc_MpSecSq_f32
target Rte Inst Ap TrgLOA.TrgLOA Per1 LatAcc MnSecSg f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32 target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_Igc	target_TrqLOA_Per1_LatAccelValid_Cnt_lgc

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Name	Input Value			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCF	target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPo	target_TrqLOA_Per1_RelHwPos_HwDeg_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOAA	Avail_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOAC	Cmd_MtrNm_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleS	peedValid_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleS	peed_Kph_f32		
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0.663388848			
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	4.7882843			
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0			
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	0			
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-1980.56238			
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	601.731018			
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1			
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	399.236786			
Name	Actual Value	Expected Value	Result	
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.819026232	0.819026232	✓	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	1.01211238	1.01211226 ± 0.01	✓	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	1.42644906	1.42644906 1.42644894 ± 0.01		
TrqLOA_TloaCmd_MtrNm_M_f32	1.42644906	1.42644906 1.42644894 ± 0.01		
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.5092507			
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	✓	
target TrgLOA Per1 TrgLOACmd MtrNm f32.value	1.42644906	1.42644894 + 0.01	_	

Name	Input Value	
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA	
TrqLOA LatAccScaleFactor Uls M f32	1	
TrqLOA LatAccelSV g M Str.SV Uls f32	0.25	
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.074500002	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	3.47551155	
TrqLOA_Gealcumit riqoma_mitrini_m_io2	2	
TrqLOA_TrgBasedScaleFactor Uls M f32	0.0130735636	
<pre><_TrqLOA_AbsAssistThreshold_MtrNm_f32</pre>	2.26314235	
TrqLOA_AbsVelThreshold_MtrRadpS_f32	892.332764	
TrqLOA_biffScaleRateLimiterFalling UlspS f32	-22.0116425	
<pre><_TrqLOA_DiffScaleRateLimiterFailing_UlspS_f32</pre>	22.6167736	
TrqLOA_FallingRampRate_UlspS_f32	-131.983978	
	1.48893201	
<pre><_TrqLOA_LatAccConversionFactor_Uls_f32</pre> < TrqLOA_LimOutput MtrNm f32	4.19399071	
<pre><_IrqLOA_LIMOutput_mitrNm_r32 <_TrqLOA_MaxScaleFactor_Uls_f32</pre>	4.19399071	
	1	
<pre><_TrqLOA_MinScaleFactor_UIs_f32</pre>	2.25471401	
<_TrqLOA_NomDrvTrq_MtrNm_f32	524.350281	
<pre><_TrqLOA_RisingRampRate_UlspS_f32</pre>	63.0900269	
<_TrqLOA_SteerRatio_Uls_f32		
<pre><_TrqLOA_UndersteerGrad_RadpG_f32</pre>	0.0236685574	
<_TrqLOA_Wheelbase_M_f32 3. Tral_OA_DiffCoinV_LUB_vid.pdf500[6]	11.9219341 17367	
2_TrqLOA_DiffGainY_Uls_u1p15[0][0]		
2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	19333	
2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	21299 26214	
2_TrqLOA_DiffGainY_Uls_u1p15[0][3]		
2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	17367	
2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	19333	
2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	21299	
2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	26214	
2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	17367	
2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	19333	
2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	21299	
2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	26214	
2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	13763	
2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	15729	
2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	17039	
2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	19661	
2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	17367	
2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	19333	
2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	21299	
2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	26214	
2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	17367	
2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	19333	
2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	21299	
2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	26214	
2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	17367	

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Name	Input Value		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	19333		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	21299		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	26214		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	17367		
t2_TrqLOA_DiffGainY_UIs_u1p15[7][1]	19333		
t2_TrqLOA_DiffGainY_UIs_u1p15[7][2]	21299		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	26214 17695		
t_TrqLOA_DiffGainX_G_u2p14[0] t TrqLOA DiffGainX G u2p14[1]	18678		
t TrgLOA DiffGainX G u2p14[1]	21299		
t_TrqLOA_DiffGainX_G_u2p14[3]	29491		
t TrqLOA HighSpeedTrqBlend X Kph u10p6[0]	11520		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	11840		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	12160		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	12480		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	12800		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	6554		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	9830		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	13107		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	16384		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	19661		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	53248		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	54067		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	56115 56934		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	58163		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4] t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	60211		
t TrqLOA_LatAccGain Y MtrNmpG u4p12[6]	60621		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	61030		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	5734		
t TrqLOA TempTrqCmdSatYTbl MtrNm u4p12[1]	10650		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	15974		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	16794		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	19251		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	20890		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	22938		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	24166		
t_TrqLOA_X_Kph_u10p6[0]	10816		
t_TrqLOA_X_Kph_u10p6[1]	10880		
t_TrqLOA_X_Kph_u10p6[2]	10944		
t_TrqLOA_X_Kph_u10p6[3]	11008		
t_TrqLOA_X_Kph_u10p6[4]	11072		
t_TrqLOA_X_Kph_u10p6[5]	11136 11200		
t_TrqLOA_X_Kph_u10p6[6] t_TrqLOA_X_Kph_u10p6[7]	11264		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAi	uthority Ille f32	
target Rte Inst Ap TrqLOA.TrqLOA Per1 LatAcc MpSecSq f32	target_TrqLOA_Per1_LatAcc_MpSe		
target Rte Inst Ap TrqLOA.TrqLOA Per1 LatAccelValid Cnt Igc	target TrqLOA Per1 LatAccelValid		
target Rte Inst Ap TrqLOA.TrqLOA Per1 MotAgLoaMtgtnEn Cnt Igc	target_TrqLOA_Per1_MotAgLoaMtg		
target Rte Inst Ap TrqLOA.TrqLOA Per1 MtrVelCRF MtrRadpS f32	target_TrqLOA_Per1_MtrVelCRF_M		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_H	. –	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOAAvail_		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSpeed	dValid_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpeed	d_Kph_f32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0.256499767		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-3.89680552		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	0		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-1356.30872		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	968.051514		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc.value	0 281.498718		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value		Expected Value	Door!!
Name Trail OA LetAceScaleFactor IIIa M 622	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_UIs_M_f32 TrqLOA_LatAcceISV g M Str.SV UIs f32	0.955976725 0.697598696	0.955976725 0.697598696 ± 0.01	
TrqLOA_CataccelSv_g_M_Str.Sv_Ols_f32 TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	3.3841362	3.38413596 ± 0.01	
TrqLOA_Scaledwid TrqCfrid_widthIn_w_132 TrqLOA_TloaCmd_MtrNm_M_f32	3.3841362	3.38413596 ± 0.01	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	1	1 ± 0.01	
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	



Test Step 2.123 (Repeat Count = 1)	· ·
Name	Input Value
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA
TrqLOA_LatAccScaleFactor_Uls_M_f32	1
TrqLOA LatAccelSV g M Str.SV Uls f32	0.300000012
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.075000003
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0.312298417
TrqLOA_TloaCmd_MtrNm_M_f32	2.5
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	2
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	5.50748444
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	801.555481
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-97.5441284
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	11.4978685 -915.834595
k_TrqLOA_FallingRampRate_UlspS_f32 k_TrqLOA_LatAccConversionFactor_Uls_f32	9.14552212
k TrqLOA LimOutput MtrNm f32	3.54621148
k_TrqLOA_MaxScaleFactor_Uls_f32	0.687833905
k_TrqLOA_MinScaleFactor_Uls_f32	1
k_TrqLOA_NomDrvTrq_MtrNm_f32	0.177738294
k_TrqLOA_RisingRampRate_UlspS_f32	487.949097
k_TrqLOA_SteerRatio_Uls_f32	58.2460938
k_TrqLOA_UndersteerGrad_RadpG_f32	0.25
k_TrqLOA_Wheelbase_M_f32	14.2606649
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	4915
t2_TrqLOA_DiffGainY_UIs_u1p15[0][3]	6226 655
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0] t2 TrqLOA DiffGainY Uls u1p15[1][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	4915
t2_TrqLOA_DiffGainY_UIs_u1p15[1][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	0 0
t2_TrqLOA_DiffGainY_UIs_u1p15[4][1] t2_TrqLOA_DiffGainY_UIs_u1p15[4][2]	0
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	0
t2_TrqLOA_DiffGainY_UIs_u1p15[5][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1] t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	2458 4915
tz_IrqLOA_DiffGainY_Uis_u1p15[/][2] t2_TrqLOA_DiffGainY_Uis_u1p15[7][3]	6226
t TrqLOA DiffGainX G u2p14[0]	328
t TrqLOA DiffGainX G u2p14[1]	1229
t_TrqLOA_DiffGainX_G_u2p14[2]	2458
t_TrqLOA_DiffGainX_G_u2p14[3]	3113
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	13120
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	13440
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	13760
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	14080
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	14400
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	6554
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	13107 16384
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3] t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	19661
t_TrqLOA_Highspeed1rqBiend_Y_Uis_u1p15[4] t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	4096
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	4915
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	8192
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	9011





Name	Input Value		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	12288		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	13107		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	16384		
t TrqLOA LatAccGain Y MtrNmpG u4p12[7]	17203		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	6554		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	11878		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	16794		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	17203		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	20070		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	21709		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	24166		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	24986		
t_TrqLOA_X_Kph_u10p6[0]	11328		
t_TrqLOA_X_Kph_u10p6[1]	11392		
t_TrqLOA_X_Kph_u10p6[2]	11456		
t_TrqLOA_X_Kph_u10p6[3]	11520		
t_TrqLOA_X_Kph_u10p6[4]	11584		
t_TrqLOA_X_Kph_u10p6[5]	11648		
t_TrqLOA_X_Kph_u10p6[6]	11712		
t_TrqLOA_X_Kph_u10p6[7]	11776		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecSq_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelValid_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_HwDeg_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc	target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lo	gc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpeed_Kph_f32		
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0.000482439995		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-3.73393083		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-1515.99487		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	49.722393		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc.value	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	288.431671		
Name	Actual Value Ex	pected Value	Result
TrqLOA LatAccScaleFactor Uls M f32	0.804911733 0.80	04911733	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.281611413 0.2	81611413 ± 0.01	•
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0.0253538806 0.03	253538694 ± 0.01	
TrqLOA_TloaCmd_MtrNm_M_f32	0.0253538806 0.02	253538694 ± 0.01	•
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	1 1±	0.01	
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0 0		•
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0.0253538806 0.02	253538694 ± 0.01	

Name	Input Value	
Rte Inst Ap TrqLOA	target Rte Inst Ap TrgLOA	
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.0948557854	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.34999994	
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0754999965	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	4.00192595	
TrqLOA_TloaCmd_MtrNm_M_f32	3	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.226432562	
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	3.70420718	
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	115.104866	
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-64.9389114	
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	24.6533508	
k_TrqLOA_FallingRampRate_UlspS_f32	-866.203979	
k_TrqLOA_LatAccConversionFactor_Uls_f32	6.27462196	
k_TrqLOA_LimOutput_MtrNm_f32	6.56321907	
k_TrqLOA_MaxScaleFactor_Uls_f32	1	
k_TrqLOA_MinScaleFactor_Uls_f32	1	
k_TrqLOA_NomDrvTrq_MtrNm_f32	6.25254965	
k_TrqLOA_RisingRampRate_UlspS_f32	178.460541	
k_TrqLOA_SteerRatio_Uls_f32	5.46221828	
k_TrqLOA_UndersteerGrad_RadpG_f32	0.25	
k_TrqLOA_Wheelbase_M_f32	8.7096529	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	6554	





Name	Input Value
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	9830
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	8192
t2_TrqLOA_DiffGainY_UIs_u1p15[1][2]	9503
t2_TrqLOA_DiffGainY_UIs_u1p15[1][3]	9830
t2_TrqLOA_DiffGainY_UIs_u1p15[2][0]	6554
t2_TrqLOA_DiffGainY_UIs_u1p15[2][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	9830
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	9830
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	32768
t2_TrqLOA_DiffGainY_UIs_u1p15[4][2]	32768 32768
t2_TrqLOA_DiffGainY_UIs_u1p15[4][3]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0] t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	8192
tz_irqLoA_birgainY_ois_uip15[5][1] tz_TrqLoA_DiffGainY_Uis_uip15[5][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	9830
t2_TrqLOA_DiliGainY_Uls_u1p15[6][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	9830
t2 TrqLOA DiffGainY Uls u1p15[7][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	8192
t2_TrqLOA_DiffGainY_UIs_u1p15[7][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	9830
t_TrqLOA_DiffGainX_G_u2p14[0]	3277
t_TrqLOA_DiffGainX_G_u2p14[1]	4096
t_TrqLOA_DiffGainX_G_u2p14[2]	4751
t_TrqLOA_DiffGainX_G_u2p14[3]	4915
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	14720
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	15040
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	15360
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	15680
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	16000
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	6554
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	16384
t_TrqLOA_HighSpeedTrqBlend_Y_UIs_u1p15[4]	19661
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	20480
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	21299
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	24576
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	25395 28672
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4] t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	29491
t TrgLOA LatAccGain Y MtrNmpG u4p12[6]	32768
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	33587
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	7373
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	13107
t TrqLOA TempTrqCmdSatYTbl MtrNm u4p12[2]	17613
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	17613
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	20890
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	22528
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	25395
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	25805
t_TrqLOA_X_Kph_u10p6[0]	11840
t_TrqLOA_X_Kph_u10p6[1]	11904
t_TrqLOA_X_Kph_u10p6[2]	11968
t_TrqLOA_X_Kph_u10p6[3]	12032
t_TrqLOA_X_Kph_u10p6[4]	12096
t_TrqLOA_X_Kph_u10p6[5]	12160
t_TrqLOA_X_Kph_u10p6[6]	12224
t_TrqLOA_X_Kph_u10p6[7]	12288
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecSq_f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_Igc	target_TrqLOA_Per1_LatAccelValid_Cnt_lgc
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_Igc	target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc

target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value

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-0.317895055 ± 0.01

Name	Input Value		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_HwDeg_f3	32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc	;	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_MtrNm_	_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSpeedValid_C	Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpeed_Kph_f	32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	1		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-1.35786963		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	0		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-424.722809		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-863.749573		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	506.476563		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.144162491	0.144162491	~
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	-0.495774776 -0.495774806 ± 0.01		
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-0.317895025 -0.317895055 ± 0.01		
TrqLOA_TloaCmd_MtrNm_M_f32	-0.317895025 -0.317895055 ± 0.01		
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.583353639	0.583353639 ± 0.01	~
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	~

-0.317895025

Test Step 2.125 (Repeat Count = 1) Name	Input Value	
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA	
TrqLOA LatAccScaleFactor Uls M f32	1	
TrqLOA_LatAccelSV g M Str.SV Uls f32	0.400000006	
	0.0759999976	
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32 TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	4.52058029	
	3.5	
TrqLOA_TloaCmd_MtrNm_M_f32 TrqLOA_TrqBasedScaleFactor Uls M f32	-1.57367921	
· - ·	9.38729286	
<pre><_TrqLOA_Abs/sistThreshold_MtrNm_f32</pre>		
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	233.491806	
	-66.8403244	
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	64.7281036	
k_TrqLOA_FallingRampRate_UlspS_f32	-928.644592	
k_TrqLOA_LatAccConversionFactor_Uls_f32	0.234460622	
k_TrqLOA_LimOutput_MtrNm_f32	5.92868757	
k_TrqLOA_MaxScaleFactor_Uls_f32	0.0456832647	
k_TrqLOA_MinScaleFactor_Uls_f32	0.996097684	
k_TrqLOA_NomDrvTrq_MtrNm_f32	5.03396273	
k_TrqLOA_RisingRampRate_UlspS_f32	48.1902771	
<_TrqLOA_SteerRatio_Uls_f32	34.5108681	
c_TrqLOA_UndersteerGrad_RadpG_f32	0.25	
x_TrqLOA_Wheelbase_M_f32	4.31090164	
2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	10158	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	12124	
2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	12780	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	13107	
2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	10158	
2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	12124	
2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	12780	
2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	13107	
2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	10158	
2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	12124	
2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	12780	
2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	13107	
2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	10158	
2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	12124	
2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	12780	
2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	13107	
2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	13763	
2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	15729	
2 TrqLOA DiffGainY Uls u1p15[4][2]	17039	
2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	19661	
2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	10158	
2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	12124	
2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	12780	
2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	13107	
2_TrqLOA_DiliGainY_Uls_u1p15[6][0]	10158	
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Name	Input Value		
t2_TrqLOA_DiffGainY_UIs_u1p15[6][1]	12124		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	12780		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	13107		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	10158		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	12124		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	12780		
t2_TrqLOA_DiffGainY_UIs_u1p15[7][3]	13107		
t_TrqLOA_DiffGainX_G_u2p14[0]	5079		
t TrgLOA DiffGainX G u2p14[1]	6062		
	6390		
t_TrqLOA_DiffGainX_G_u2p14[2]			
t_TrqLOA_DiffGainX_G_u2p14[3]	6554		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	16320		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	16640		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	16960		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	17280		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	17600		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	6554		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	9830		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	13107		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	16384		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	19661		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	36864		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	37683		
t TrqLOA LatAccGain Y MtrNmpG u4p12[2]	40960		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	41779		
	45056		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]			
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	45875		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	49152		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	49971		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	8192		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	14336		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	18432		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	18022		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	21709		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	23347		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	26624		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	26624		
t_TrqLOA_X_Kph_u10p6[0]	12352		
t_TrqLOA_X_Kph_u10p6[1]	12416		
t TrgLOA X Kph u10p6[2]	12410		
t_TrqLOA_X_Kph_u10p6[3]	12480		
t TrqLOA X Kph u10p6[4]	12608		
t_TrqLOA_X_Kph_u10p6[5]	12672		
t_TrqLOA_X_Kph_u10p6[6]	12736		
t_TrqLOA_X_Kph_u10p6[7]	12800		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_Handwheel		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_Mp8	SecSq_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelVal	id_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaM	ltgtnEn_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_	MtrRadpS_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_	HwDeg_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOAAva		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmo		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc	target TrqLOA Per1 VehicleSpee		
target Rte Inst Ap TrqLOA.TrqLOA Per1 VehicleSpeed Kph f32	target_TrqLOA_Per1_VehicleSpee		
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	1	50 \$11_10£	
	-2.64260817		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value			
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	0		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	1216.50769		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	250.73175		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	511		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.866319358	0.866319358	_
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.407827348	0.407827318 ± 0.01	•
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0.407627318 ± 0.01	
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	-
TrqLOA_TrqBasedScaleFactor_UIs_M_f32	-1.47729862 -1.47729874 ± 0.01		
target_TrqLOA_Per1_TrqLOAAvail_Cnt_Igc.value	0	0	V
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0	0 ± 0.01	<u> </u>



Test Step 2.126 (Repeat Count = 1)	· ·
Name	Input Value
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.00941729546
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.44999988
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0764999986
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	4.23950624
TrqLOA_TloaCmd_MtrNm_M_f32	4
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-1.13336575
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	7.33077192
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	133.163208
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-1.6913321 53.0677528
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32 k_TrqLOA_FallingRampRate_UlspS_f32	-562.738586
k_TrqLOA_LatAccConversionFactor_Uls_f32	1.68228257
k TrqLOA LimOutput MtrNm f32	6.47030687
k_TrqLOA_MaxScaleFactor_Uls_f32	0.95019269
k_TrqLOA_MinScaleFactor_Uls_f32	1
k_TrqLOA_NomDrvTrq_MtrNm_f32	6.05968189
k_TrqLOA_RisingRampRate_UlspS_f32	549.646301
k_TrqLOA_SteerRatio_Uls_f32	29.0238514
k_TrqLOA_UndersteerGrad_RadpG_f32	0.25
k_TrqLOA_Wheelbase_M_f32	7.63126898
t2_TrqLOA_DiffGainY_UIs_u1p15[0][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1] t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	15729 17039
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	13763
t2 TrqLOA DiffGainY Uls u1p15[1][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	17039
t2_TrqLOA_DiffGainY_UIs_u1p15[2][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	13763 15729
t2_TrqLOA_DiffGainY_UIs_u1p15[3][1] t2_TrqLOA_DiffGainY_UIs_u1p15[3][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	19661
t2 TrqLOA DiffGainY Uls u1p15[4][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	0
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	0
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	0
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	0
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1] t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	15729 17039
t2 TrgLOA DiffGainY Uls u1p15[6][3]	19661
t2_TrqLOA_DiffGainY_UIs_u1p15[7][0]	13763
t2_TrqLOA_DiffGainY_UIs_u1p15[7][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	19661
t_TrqLOA_DiffGainX_G_u2p14[0]	6881
t_TrqLOA_DiffGainX_G_u2p14[1]	7864
t_TrqLOA_DiffGainX_G_u2p14[2]	8520
t_TrqLOA_DiffGainX_G_u2p14[3]	9830
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	17920 18240
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1] t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	18560
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	18880
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	19200
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	6554
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	16384
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	19661
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	53248
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	54067
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	56115 56934
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	ງນອ34





Name	Input Value			
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	58163			
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	60211			
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	60621			
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	61030			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	9011			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	15565			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	19251			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	18432			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	22528			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	24166			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	27853			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	27443			
t_TrqLOA_X_Kph_u10p6[0]	12864			
t_TrqLOA_X_Kph_u10p6[1]	12928			
t_TrqLOA_X_Kph_u10p6[2]	12992			
t_TrqLOA_X_Kph_u10p6[3]	13056			
t_TrqLOA_X_Kph_u10p6[4]	13120			
t_TrqLOA_X_Kph_u10p6[5]	13184			
t_TrqLOA_X_Kph_u10p6[6]	13248			
t_TrqLOA_X_Kph_u10p6[7]	13312			
arget_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecSq_f32			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelValid_Cnt_lgc			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_Igc	target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32			
arget_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_HwDeg_f32			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc			
arget_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd	_MtrNm_f32		
arget_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc	target_TrqLOA_Per1_VehicleSpee	dValid_Cnt_lgc		
arget_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpee	d_Kph_f32		
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	1			
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	3.36877322			
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	1			
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1			
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	1302.61328			
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-340.970886			
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	0			
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	21.4021606			
Name	Actual Value	Expected Value	Result	
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.115552805	0.115552798		
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.408950448	0.408950478 ± 0.01		
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01		
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01		
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-0.0340731144	-0.0340731964 ± 0.01		
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	•	
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0	0 ± 0.01		

Name	Input Value	
Rte Inst Ap TrgLOA	target Rte Inst Ap TrqLOA	
TrqLOA_LatAccScaleFactor_Uls_M_f32	1	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.5	
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0769999996	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	4.74555826	
TrqLOA_TloaCmd_MtrNm_M_f32	4.5	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-1.63674033	
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	9.08462524	
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	357.839844	
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-3.03508973	
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	33.79459	
k_TrqLOA_FallingRampRate_UlspS_f32	-507.021576	
k_TrqLOA_LatAccConversionFactor_Uls_f32	0.35055384	
k_TrqLOA_LimOutput_MtrNm_f32	5.86887455	
k_TrqLOA_MaxScaleFactor_Uls_f32	0.147675157	
k_TrqLOA_MinScaleFactor_Uls_f32	0.0349010229	
k_TrqLOA_NomDrvTrq_MtrNm_f32	2.91014886	
k_TrqLOA_RisingRampRate_UlspS_f32	903.030151	
k_TrqLOA_SteerRatio_Uls_f32	19.2581005	
k_TrqLOA_UndersteerGrad_RadpG_f32	0.25	
k_TrqLOA_Wheelbase_M_f32	20	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	17367	





Name	Input Value
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	32768
t2_TrqLOA_DiffGainY_UIs_u1p15[6][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	21299
t2_TrqLOA_DiffGainY_UIs_u1p15[6][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	26214
t_TrqLOA_DiffGainX_G_u2p14[0]	8684
t_TrqLOA_DiffGainX_G_u2p14[1]	9667
t_TrqLOA_DiffGainX_G_u2p14[2]	10650
t_TrqLOA_DiffGainX_G_u2p14[3]	13107
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	19520
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	19840
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	20160
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	20480
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	20800 6554
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2] t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	16384
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	19661
t_TrqLOA_tatAccGain_Y_MtrNmpG_u4p12[0]	4096
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	4915
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	8192
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	9011
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	12288
t TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	13107
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	16384
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	17203
t TrqLOA TempTrqCmdSatYTbl MtrNm u4p12[0]	9830
t_TrqLOA_TempTrqCridSatYTbl_MtrNm_u4p12[0]	16794
t_TrqLOA_TempTrqCridSatYTbl_MtrNm_u4p12[1] t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	20070
t_TrqLOA_TempTrqCridSatYTbl_MtrNm_u4p12[2] t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	18842
t TrqLOA TempTrqCmdSatYTbl MtrNm u4p12[4]	23347
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	24986
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	29082
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	28262
t_TrqLOA_X_Kph_u10p6[0]	13376
t_TrqLOA_X_Kph_u10p6[1]	13440
t_TrqLOA_X_Kph_u10p6[2]	13504
t_TrqLOA_X_Kph_u10p6[3]	13568
t_TrqLOA_X_Kph_u10p6[4]	13632
t_TrqLOA_X_Kph_u10p6[5]	13696
t_TrqLOA_X_Kph_u10p6[6]	13760
t_TrqLOA_X_Kph_u10p6[7]	13824
target Rte Inst An Trol OA Trol OA Pert HandwheelAuthority Ills f32	target Trol OA Per1 HandwheelAuthority Llls f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32 target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32 target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32 target_TrqLOA_Per1_LatAcc_MpSecSq_f32 target_TrqLOA_Per1_LatAccelValid_Cnt_lgc



TrqLOA_Per1

Name	Input Value			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCR	target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos	s_HwDeg_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc	target_TrqLOA_Per1_TrqLOAA	vail_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOAC	md_MtrNm_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSp	needValid_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSp	peed_Kph_f32		
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	1			
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	3.80063248			
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	1			
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1	1		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-1231.90735			
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-442.899658			
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	0			
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	451.846344			
Name	Actual Value	Expected Value	Result	
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.993929803	0.993929803	✓	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.343736827	0.343736857 ± 0.01	✓	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-0.0731231868	-0.0731231719 ± 0.01	✓	
TrqLOA_TloaCmd_MtrNm_M_f32	-0.0731231868	-0.0731231719 ± 0.01	✓	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.0349010229	0.0349010229 ± 0.01	✓	
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	✓	
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	-0.0731231868	-0.0731231719 ± 0.01	✓	

Test Step 2.128 (Repeat Count = 1)		
Name	Input Value	
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA	
TrqLOA_LatAccScaleFactor_Uls_M_f32	1	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.550000012	
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0775000006	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-6.22358561	
TrqLOA_TloaCmd_MtrNm_M_f32	5	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-0.391814232	
C_TrqLOA_AbsAssistThreshold_MtrNm_f32	5.38269758	
c_TrqLOA_AbsVelThreshold_MtrRadpS_f32	851.174866	
c_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-82.625946	
<pre>c_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32</pre>	46.064209	
x_TrqLOA_FallingRampRate_UlspS_f32	-193.040192	
TrgLOA LatAccConversionFactor Uls f32	5.52927876	
TrgLOA LimOutput MtrNm f32	3.99039626	
C_TrqLOA_MaxScaleFactor_Uls_f32	1	
C_TrqLOA_MinScaleFactor_Uls_f32	1	
C TrgLOA NomDrvTrg MtrNm f32	7.06337452	
TrgLOA RisingRampRate UlspS f32	713.560303	
C_TrqLOA_SteerRatio_Uls_f32	70.9857712	
TrgLOA UndersteerGrad RadpG f32	0.0938361883	
C_TrqLOA_Wheelbase_M_f32	12.6651964	
2 TrqLOA DiffGainY Uls u1p15[0][0]	655	
2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	2458	
2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	4915	
2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	6226	
2 TrqLOA DiffGainY Uls u1p15[1][0]	655	
2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	2458	
2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	4915	
2 TrqLOA DiffGainY Uls u1p15[1][3]	6226	
2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	655	
2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	2458	
2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	4915	
2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	6226	
2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	655	
2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	2458	
2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	4915	
2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	6226	
2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	655	
2_TrqLOA_DiliGainY_Uls_u1p15[4][0] 2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	2458	
2_TrqLOA_DiffGainY_Uls_u1p15[4][1] 2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	4915	
.2_TrqLOA_DiliGainY_Uis_u1p15[4][2] :2_TrqLOA_DiffGainY_Uis_u1p15[4][3]	6226	
z_trqLOA_DiliGainY_Dis_u1p15[4][5] 2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	13763	
	15729	
2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	17039	
2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	19661	
2_TrqLOA_DiffGainY_Uls_u1p15[5][3]		
2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	655	

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TrqLOA_Per1



Name	Input Value		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	2458		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	4915		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	6226		
t2_TrqLOA_DiffGainY_UIs_u1p15[7][0]	655		
t2_TrqLOA_DiffGainY_UIs_u1p15[7][1]	2458		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	4915		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	6226		
t_TrqLOA_DiffGainX_G_u2p14[0]	10486		
t_TrqLOA_DiffGainX_G_u2p14[1]	11469		
t_TrqLOA_DiffGainX_G_u2p14[2]	12780		
t_TrqLOA_DiffGainX_G_u2p14[3]	16384		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	21120 21440		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1] t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	21760		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	22080		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	22400		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	6554		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	9830		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	13107		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	16384		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	19661		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	20480		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	21299		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	24576		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	25395		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	28672		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	29491		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	32768		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	33587		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	10650		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	18022		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	20890		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	19251 24166		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4] t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	25805		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	30310		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	29082		
t_TrqLOA_X_Kph_u10p6[0]	13888		
t_TrqLOA_X_Kph_u10p6[1]	13952		
t TrqLOA X Kph u10p6[2]	14016		
t_TrqLOA_X_Kph_u10p6[3]	14080		
t_TrqLOA_X_Kph_u10p6[4]	14144		
t_TrqLOA_X_Kph_u10p6[5]	14208		
t_TrqLOA_X_Kph_u10p6[6]	14272		
t_TrqLOA_X_Kph_u10p6[7]	14336		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAu	uthority_Uls_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSe	ecSq_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelValid	,	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_Igc	target_TrqLOA_Per1_MotAgLoaMtg		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_N	. –	
target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_H		
target_Rte_Inst_Ap_TrqLOA.TrqLOA.Per1_TrqLOAAvail_Cnt_lgc	target_TrqLOA_Per1_TrqLOAAvail_		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpeed target_TrqLOA_Per1_VehicleSpeed		
target_Rte_inst_Ap_irqLOA_irqLOA_Peri_venicleSpeed_Rpn_t32 target TrqLOA_Peri_HandwheelAuthority_Uls_f32.value	0.163787127	z_1\ρi1_132	
target_TrqLOA_Per1_nandwheerAuthority_ois_isz.value target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-1.70545602		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	0		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-1053.297		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	366.434143		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	458.857544		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.834748089	0.834748089	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.57617873	0.57617873 ± 0.01	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0.108414486	0.108414471 ± 0.01	•
TrqLOA_TloaCmd_MtrNm_M_f32	0.108414486	0.108414471 ± 0.01	•
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	1	1 ± 0.01	•
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	•
0 = 1 = 2 1 = 20			



Test Step 2.129 (Repeat Count = 1)	L. W.
Name	Input Value
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.567123771
TrqLOA_LatAccelSV_g_M_Str.SV_UIs_f32	0.600000024 0.0780000016
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	-6.57568836
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32 TrqLOA_TloaCmd_MtrNm_M_f32	5.5
TrqLOA_Troacind_within_wi_is2 TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.106500566
k TrgLOA_NosAssistThreshold MtrNm f32	2.87208557
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	60.7626076
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-79.0494766
k TrgLOA DiffScaleRateLimiterRising UlspS f32	63.842453
k TrqLOA FallingRampRate UlspS f32	-388.694366
k_TrqLOA_LatAccConversionFactor_Uls_f32	10
k_TrqLOA_LimOutput_MtrNm_f32	2.91165829
k_TrqLOA_MaxScaleFactor_Uls_f32	0.99773109
k_TrqLOA_MinScaleFactor_Uls_f32	0.98422873
k_TrqLOA_NomDrvTrq_MtrNm_f32	7.42731905
k_TrqLOA_RisingRampRate_UlspS_f32	359.111908
k_TrqLOA_SteerRatio_Uls_f32	17.2614994
k_TrqLOA_UndersteerGrad_RadpG_f32	0.228721723
k_TrqLOA_Wheelbase_M_f32	8.02447128
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	9830
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	9830
t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	9830
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	9830 6554
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	9830
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3] t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	6554
t2_rrqLOA_biliGainY_bis_drp15[5][0] t2_rrqLOA_biffGainY_Uls_u1p15[5][1]	8192
t2_rrqLOA_biifGainY_Uls_u1p15[5][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	9830
t2_rrqLOA_DiffGainY_Uls_u1p15[6][0]	0
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	0
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	0
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	0
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	6554
t2 TrqLOA DiffGainY Uls u1p15[7][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	9830
t_TrqLOA_DiffGainX_G_u2p14[0]	12288
t_TrqLOA_DiffGainX_G_u2p14[1]	13271
t_TrqLOA_DiffGainX_G_u2p14[2]	14909
t_TrqLOA_DiffGainX_G_u2p14[3]	19661
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	22720
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	23040
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	23360
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	23680
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	24000
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	6554
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	16384
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	19661
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	36864
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	37683
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	40960
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	41779





Name	Input Value		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	45056		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	45875		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	49152		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	49971		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	11469		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	19251		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	21709		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	19661		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	24986		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	26624		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	31539		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	29901		
t_TrqLOA_X_Kph_u10p6[0]	14400		
t_TrqLOA_X_Kph_u10p6[1]	14464		
t_TrqLOA_X_Kph_u10p6[2]	14528		
t_TrqLOA_X_Kph_u10p6[3]	14592		
t_TrqLOA_X_Kph_u10p6[4]	14656		
t_TrqLOA_X_Kph_u10p6[5]	14720		
t_TrqLOA_X_Kph_u10p6[6]	14784		
t_TrqLOA_X_Kph_u10p6[7]	14848		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecSq_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_Igc	target_TrqLOA_Per1_LatAccelValid_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_Igc	target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_HwDeg_f3	2	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc	600	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_MtrNm_t		
target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSpeedValid_Cr		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpeed_Kph_f3	2	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value target TrqLOA Per1 LatAcc MpSecSq f32.value	0.383844972 -0.118159592		
target TrqLOA Per1 LatAccelValid Cnt Igc.value	0		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1		
target TrqLOA Per1 MtrVelCRF MtrRadpS f32.value	-569.586182		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-195.522369		
target TrqLOA Per1 VehicleSpeedValid Cnt Igc.value	0		
target TrqLOA Per1 VehicleSpeed Kph f32.value	478.792694		
Name	Actual Value	Expected Value	Result
		0.409024805	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32 TrqLOA LatAccelSV g M Str.SV Uls f32		0.48706755 ± 0.01	
TrqLOA ScaledMtrTrqCmd MtrNm M f32	-0.590291202	-0.590291142 ± 0.01	
TrqLOA TloaCmd MtrNm M f32		-0.590291142 ± 0.01	
TrqLOA_Troacrid_MitNin_M_i32 TrqLOA TrqBasedScaleFactor Uls M f32		0.824724376 ± 0.01	
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value		0.024724370 ± 0.01	
target TrqLOA Per1 TrqLOACmd MtrNm f32.value	-0.590291202	-0.590291142 ± 0.01	

Name	Input Value	
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA	
TrqLOA_LatAccScaleFactor_Uls_M_f32	1	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.649999976	
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0785000026	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0.0967210084	
TrqLOA_TloaCmd_MtrNm_M_f32	6	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.599776387	
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	1.06560349	
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	801.15863	
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-47.003067	
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	92.9339294	
k_TrqLOA_FallingRampRate_UlspS_f32	-601.664307	
k_TrqLOA_LatAccConversionFactor_Uls_f32	5.30471039	
k_TrqLOA_LimOutput_MtrNm_f32	1.17788911	
k_TrqLOA_MaxScaleFactor_Uls_f32	1	
k_TrqLOA_MinScaleFactor_Uls_f32	0.787144184	
k_TrqLOA_NomDrvTrq_MtrNm_f32	6.45212317	
k_TrqLOA_RisingRampRate_UlspS_f32	124.468575	
k_TrqLOA_SteerRatio_Uls_f32	67.8080902	
k_TrqLOA_UndersteerGrad_RadpG_f32	0.25	
k_TrqLOA_Wheelbase_M_f32	16.3749599	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	10158	





Name	Input Value
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	12124
t2_TrqLOA_DiffGainY_UIs_u1p15[0][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	10158
t2_TrqLOA_DiffGainY_UIs_u1p15[1][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	12124 12780
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2] t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	10158
t2 TrqLOA DiffGainY Uls u1p15[3][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	12124
t2_TrqLOA_DiffGainY_UIs_u1p15[4][2]	12780
t2_TrqLOA_DiffGainY_UIs_u1p15[4][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	32768
t2_TrqLOA_DiffGainY_UIs_u1p15[6][2]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	13107
t_TrqLOA_DiffGainX_G_u2p14[0]	14090
t_TrqLOA_DiffGainX_G_u2p14[1]	15073
t_TrqLOA_DiffGainX_G_u2p14[2]	17039
t_TrqLOA_DiffGainX_G_u2p14[3]	22938
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	9920
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	10240 10560
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2] t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	10880
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	11200
t TrqLOA_HighSpeedTrqBlend Y Uls u1p15[0]	6554
t TrqLOA HighSpeedTrqBlend Y Uls u1p15[1]	9830
t TrqLOA HighSpeedTrqBlend Y Uls u1p15[2]	13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	16384
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	19661
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	53248
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	54067
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	56115
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	56934
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	58163
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	60211
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	60621
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	61030
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	12288
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	20480
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	22528
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	20070
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	25805
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	27443
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	32768
t_TrqLOA_Y_(schu40c00)	30720
t_TrqLOA_X_Kph_u10p6[0]	14912
t_TrqLOA_X_Kph_u10p6[1]	14976
t_TrqLOA_X_Kph_u10p6[2]	15040
t_TrqLOA_X_Kph_u10p6[3]	15104
t_TrqLOA_X_Kph_u10p6[4]	15168 15232
t_TrqLOA_X_Kph_u10p6[5] t_TrqLOA_X_Kph_u10p6[6]	15232 15296
t_TrqLOA_X_Kph_u10p6[7]	15360
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecSq_f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelValid_Cnt_lgc

target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value





Name	Input Value		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_HwDeg_f	32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc	target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgd		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_MtrNm_	_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc	target_TrqLOA_Per1_VehicleSpeedValid_C	Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpeed_Kph_f	32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	1		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-3.39964104		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-1328.40686		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-230.84993		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	264.080994		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.905993879	0.905993879	~
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.582307339	0.582307398 ± 0.01	~
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	~
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	~
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.787144184	0.787144184 ± 0.01	~
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	~

0

0 ± 0.01

Name	Input Value	
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA	
FrgLOA LatAccScaleFactor UIs M f32	1	
FrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.100000001	
FrgLOA LatAccelSV g M Str.K Uls f32	0.0790000036	
FrgLOA ScaledMtrTrqCmd MtrNm M f32	3.91868973	
FrqLOA_TloaCmd_MtrNm_M_f32	6.5	
FrqLOA_TrqBasedScaleFactor_Uls_M_f32	-0.907211721	
<pre>c_TrqLOA_AbsAssistThreshold_MtrNm_f32</pre>	9.06250286	
C_TrqLOA_AbsVelThreshold_MtrRadpS_f32	156.679932	
<pre>c_rqLOA_DiffScaleRateLimiterFalling_UlspS_f32</pre>	-0.0322552323	
TrgLOA DiffScaleRateLimiterRising UlspS f32	29.8183842	
TrgLOA FallingRampRate UlspS f32	-878.769714	
TrqLOA LatAccConversionFactor Uls f32	10	
<pre><_TrqLOA_LimOutput_MtrNm_f32</pre>	8.42664528	
<pre><_frqLOA_Limoutput_wintviii_i32</pre> <pre><_frqLOA_MaxScaleFactor_Uls_f32</pre>	1	
<pre><_frqLOA_MinScaleFactor_Uls_f32</pre>	0.929057002	
<pre><_TrqLOA_NomDrvTrq_MtrNm_f32</pre>	1.06529593	
<pre>c_frqLOA_RisingRampRate_UlspS_f32</pre>	906.051819	
<pre><_rrqLOA_SteerRatio_Uls_f32</pre>	66.7969742	
TrqLOA_SteerNatio_Gis_is2 TrqLOA UndersteerGrad RadpG f32	0.25	
TrqLOA_OndersteerGrad_NadpG_I32	1.63229978	
2 TrgLOA DiffGainY Uls u1p15[0][0]	13763	
	15729	
2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	17039	
2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	19661	
2_TrqLOA_DiffGainY_Uls_u1p15[0][3]		
2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	13763	
2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	15729	
2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	17039	
2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	19661	
2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	13763	
2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	15729	
2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	17039	
2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	19661	
2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	13763	
2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	15729	
2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	17039	
2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	19661	
2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	13763	
2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	15729	
2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	17039	
2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	19661	
2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	13763	
2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	15729	
2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	17039	
2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	19661	
2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	13763	

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Nama	Innut Value		
Name	Input Value		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	15729		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	17039		
t2_TrqLOA_DiffGainY_UIs_u1p15[6][3]	19661		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	13763		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	15729		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	17039		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	19661		
t_TrqLOA_DiffGainX_G_u2p14[0]	15892		
t_TrqLOA_DiffGainX_G_u2p14[1]	16876		
t_TrqLOA_DiffGainX_G_u2p14[2]	19169		
t_TrqLOA_DiffGainX_G_u2p14[3]	26214		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	11520		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	11840		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	12160		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	12480		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	12800		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	6554		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	9830		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	13107		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	16384		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	19661		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	4096		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	4915		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	8192		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	9011		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	12288		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	13107		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	16384		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	17203		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	13107		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	21709		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	23347		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	20480		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	26624		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	28262		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	33997		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	31539		
t_TrqLOA_X_Kph_u10p6[0]	15424		
t_TrqLOA_X_Kph_u10p6[1]	15488		
t_TrqLOA_X_Kph_u10p6[2]	15552		
t_TrqLOA_X_Kph_u10p6[3]	15616		
t_TrqLOA_X_Kph_u10p6[4]	15680		
t_TrqLOA_X_Kph_u10p6[5]	15744		
t_TrqLOA_X_Kph_u10p6[6]	15808		
t_TrqLOA_X_Kph_u10p6[7]	15872		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthority_	Uls f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target TrqLOA Per1 LatAcc MpSecSq f3		
target Rte Inst Ap TrqLOA.TrqLOA Per1 LatAccelValid Cnt Igc	target TrqLOA Per1 LatAccelValid Cnt Ic	ic .	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMtgtnEn_0		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrRadp		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_HwDeg_1	_	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOAAvail_Cnt_lg		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_MtrNm		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSpeedValid_0		
target Rte Inst Ap TrqLOA.TrqLOA Per1 VehicleSpeed Kph f32	target_TrqLOA_Per1_VehicleSpeed_Kph_t		
target TrgLOA Per1 HandwheelAuthority Uls f32.value	0.908415675		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	5.94108057		
target TrqLOA Per1 LatAccelValid Cnt Igc.value	0		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	0		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-378.692474		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-589.088501		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	444.934845		
Name	Actual Value	Expected Value	Result
		Expected Value	Result
TrqLOA_LatAccScaleFactor_UIs_M_f32	0.999935508	0.999935508	
TrqLOA_LatAccelSV_g_M_Str.SV_UIs_f32	0.0436636657	0.0436636731 ± 0.01	Ž
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-0.819662869	-0.819662631 ± 0.01	~
TrqLOA_TloaCmd_MtrNm_M_f32	-0.819662869	-0.819662631 ± 0.01	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.904892027	0.904891908 ± 0.01	~
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	~

-0.819662869

target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value

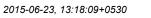
-0.819662631 ± 0.01





Test Step 2.132 (Repeat Count = 1)	
Name	Input Value
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA
TrqLOA_LatAccScaleFactor_Uls_M_f32	1
TrgLOA LatAccelSV g M Str.SV Uls f32	0.150000006
TrqLOA LatAccelSV g M Str.K Uls f32	0.0794999972
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	3.47269344
TrqLOA_TloaCmd_MtrNm_M_f32	7
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.882734537
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	9.65194321
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	300.425354
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-71.5873337
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	39.3758888
k_TrqLOA_FallingRampRate_UlspS_f32	-364.970367 0.3057895
k_TrqLOA_LatAccConversionFactor_Uls_f32 k_TrqLOA_LimOutput_MtrNm_f32	8.8000019
k_TrqLOA_MaxScaleFactor_Uls_f32	1
k_TrqLOA_MinScaleFactor_Uls_f32	1
k_TrqLOA_NomDrvTrq_MtrNm_f32	7.25052118
k_TrqLOA_RisingRampRate_UlspS_f32	768.279846
k_TrqLOA_SteerRatio_Uls_f32	61.6943359
k_TrqLOA_UndersteerGrad_RadpG_f32	0.25
k_TrqLOA_Wheelbase_M_f32	13.6526098
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	17367
t2_TrqLOA_DiffGainY_UIs_u1p15[0][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	26214
t2_TrqLOA_DiffGainY_UIs_u1p15[1][0]	17367
t2_TrqLOA_DiffGainY_UIs_u1p15[1][1]	19333 21299
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2] t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	19333
t2_TrqLOA_DiffGainY_UIs_u1p15[4][2]	21299 26214
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3] t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	0
t2_TrqLOA_DiffGainY_UIs_u1p15[7][1]	0
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	0
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	0 17695
t_TrqLOA_DiffGainX_G_u2p14[0] t_TrqLOA_DiffGainX_G_u2p14[1]	18678
t TrqLOA DiffGainX G u2p14[2]	21299
t_TrqLOA_DiffGainX_G_u2p14[3]	29491
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	13120
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	13440
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	13760
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	14080
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	14400
t_TrqLOA_HighSpeedTrqBlend_Y_UIs_u1p15[0]	6554
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_UIs_u1p15[2]	13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	16384 19661
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4] t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	20480
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	21299
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	24576
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	25395
	· ·

TrqLOA_Per1





Name	Input Value			
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	28672			
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	29491	29491		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	32768			
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	33587			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	13926			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	22938			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	24166			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	20890			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	27443			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	29082			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	35226			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	32358			
t_TrqLOA_X_Kph_u10p6[0]	15936			
t_TrqLOA_X_Kph_u10p6[1]	16000			
t_TrqLOA_X_Kph_u10p6[2]	16064			
t_TrqLOA_X_Kph_u10p6[3]	16128			
t_TrqLOA_X_Kph_u10p6[4]	16192			
t_TrqLOA_X_Kph_u10p6[5]	16256			
t_TrqLOA_X_Kph_u10p6[6]	16320			
t_TrqLOA_X_Kph_u10p6[7]	16384			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecSq_f32			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelValid_Cnt_lgc			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_HwDeg_f32			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSpeed			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpeed	_Kph_f32		
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0.71404624			
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	9.61758518			
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0			
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1			
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-1498.15515			
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	752.728455			
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	0			
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	492.217041	I=	1	
Name	Actual Value	Expected Value	Result	
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.856825352	0.856825352	•	
TrqLOA_LatAccelSV_g_M_Str.SV_UIs_f32	0.203905731	0.203905731 ± 0.01	•	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01		
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	•	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	1	1 ± 0.01	,	
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	,	
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0	0 ± 0.01		

Name	Input Value	
Rte Inst Ap TrqLOA	target Rte Inst Ap TrqLOA	
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.210974574	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.20000003	
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.079999982	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	3.13845325	
TrqLOA_TloaCmd_MtrNm_M_f32	7.5	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	2	
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	2.2057054	
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	420.948761	
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-46.0566826	
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	64.0082474	
k_TrqLOA_FallingRampRate_UlspS_f32	-766.130188	
k_TrqLOA_LatAccConversionFactor_Uls_f32	5.03221798	
k_TrqLOA_LimOutput_MtrNm_f32	8.80000019	
k_TrqLOA_MaxScaleFactor_Uls_f32	1	
k_TrqLOA_MinScaleFactor_Uls_f32	0.0404216051	
k_TrqLOA_NomDrvTrq_MtrNm_f32	5.75811481	
k_TrqLOA_RisingRampRate_UlspS_f32	253.850082	
k_TrqLOA_SteerRatio_Uls_f32	70.1602173	
k_TrqLOA_UndersteerGrad_RadpG_f32	0.25	
k_TrqLOA_Wheelbase_M_f32	16.5584469	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	655	





Name	Input Value
t2_TrqLOA_DiffGainY_UIs_u1p15[0][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3] t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	6226 655
t2_TrqLOA_DiriGainY_Uls_u1p15[2][1]	2458
t2 TrqLOA DiffGainY Uls u1p15[2][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	2458
t2_TrqLOA_DiffGainY_UIs_u1p15[3][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	6226 655
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0] t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	2458
t2_TrqLOA_DiliGainY_Uls_u1p15[5][1] t2_TrqLOA_DiliGainY_Uls_u1p15[5][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	6226
t2_TrqLOA_DiffGainY_UIs_u1p15[7][0]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	32768
t2_TrqLOA_DiffGainY_UIs_u1p15[7][3]	32768
t_TrqLOA_DiffGainX_G_u2p14[0]	328
t_TrqLOA_DiffGainX_G_u2p14[1]	1229 2458
t_TrqLOA_DiffGainX_G_u2p14[2] t_TrqLOA_DiffGainX_G_u2p14[3]	3113
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	14720
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	15040
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	15360
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	15680
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	16000
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	6554
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	16384
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	19661 36864
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0] t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	37683
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	40960
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	41779
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	45056
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	45875
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	49152
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	49971
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	4096
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	8192
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	14336
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	15974
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	17613 19251
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5] t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	20480
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	22528
t_TrqLOA_X_Kph_u10p6[0]	16448
t_TrqLOA_X_Kph_u10p6[1]	16512
t_TrqLOA_X_Kph_u10p6[2]	16576
t_TrqLOA_X_Kph_u10p6[3]	16640
t_TrqLOA_X_Kph_u10p6[4]	16704
t_TrqLOA_X_Kph_u10p6[5]	16768
t_TrqLOA_X_Kph_u10p6[6]	16832
t_TrqLOA_X_Kph_u10p6[7]	16896
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32
tornet Die last An Trai OA Tari OA Darid Latha 14 C C CCC	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32 target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_Igc	target_TrqLOA_Per1_LatAcc_MpSecSq_f32 target_TrqLOA_Per1_LatAccelValid_Cnt_lgc

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Name	Input Value			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_H	target_TrqLOA_Per1_RelHwPos_HwDeg_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc	target_TrqLOA_Per1_TrqLOAAvail	_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd	_MtrNm_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSpee	dValid_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpee	d_Kph_f32		
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0.299962163			
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	1.92956245			
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	1			
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	0			
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-578.120789			
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-697.338623			
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1			
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	468.839203			
Name	Actual Value	Expected Value	Result	
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.338991076	0.338991076	~	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.130536705	0.13053669 ± 0.01	✓	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-0.227853045	-0.227853209 ± 0.01	✓	
TrqLOA_TloaCmd_MtrNm_M_f32	-0.227853045	-0.227853209 ± 0.01	✓	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.467739582	0.467739671 ± 0.01	✓	
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	✓	
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	-0.227853045	-0.227853209 ± 0.01		

Test Step 2.134 (Repeat Count = 1)		
Name	Input Value	
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA	
FrqLOA_LatAccScaleFactor_Uls_M_f32	0.251682043	
FrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.25	
FrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0804999992	
FrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	7.99536085	
FrqLOA_TloaCmd_MtrNm_M_f32	8	
FrqLOA_TrqBasedScaleFactor_Uls_M_f32	-1.84285891	
c_TrqLOA_AbsAssistThreshold_MtrNm_f32	2.39067173	
c_TrqLOA_AbsVelThreshold_MtrRadpS_f32	844.036987	
TrgLOA DiffScaleRateLimiterFalling UlspS f32	-16.0573845	
c_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	76.3840561	
 C_TrqLOA_FallingRampRate_UlspS_f32	-543.427917	
TrqLOA LatAccConversionFactor Uls f32	10	
TrgLOA LimOutput MtrNm f32	6.49614382	
C_TrqLOA_MaxScaleFactor_Uls_f32	1	
TrqLOA_MinScaleFactor_Uls_f32	1	
TrgLOA NomDrvTrg MtrNm f32	7.43302631	
TrqLOA RisingRampRate UlspS f32	513.813843	
C_TrqLOA_SteerRatio_Uls_f32	59.0387001	
TrqLOA UndersteerGrad RadpG f32	0.25	
C_TrqLOA_Wheelbase_M_f32	2.40938735	
2 TrqLOA DiffGainY Uls u1p15[0][0]	6554	
2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	8192	
2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	9503	
2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	9830	
2_rrqLOA_BiilGainY_0i3_u1p15[0][0] 2_rrqLOA DiffGainY_Uls_u1p15[1][0]	6554	
2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	8192	
2_TrqLOA_DillGainY_Uis_u1p15[1][1] 2_TrqLOA_DiffGainY_Uis_u1p15[1][2]	9503	
	9830	
2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	6554	
2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	The state of the s	
2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	8192	
2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	9503	
2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	9830	
2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	6554	
2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	8192	
2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	9503	
2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	9830	
2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	6554	
2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	8192	
2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	9503	
2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	9830	
2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	6554	
2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	8192	
2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	9503	
2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	9830	
2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	6554	

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Name	Input Value		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	8192		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	9503		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	9830		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	13763		
t2_TrqLOA_DiffGainY_UIs_u1p15[7][1]	15729		
t2_TrqLOA_DiffGainY_UIs_u1p15[7][2]	17039		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	19661		
t_TrqLOA_DiffGainX_G_u2p14[0]	3277		
	4096		
t_TrqLOA_DiffGainX_G_u2p14[1]			
t_TrqLOA_DiffGainX_G_u2p14[2]	4751		
t_TrqLOA_DiffGainX_G_u2p14[3]	4915		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	16320		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	16640		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	16960		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	17280		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	17600		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	6554		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	9830		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	13107		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	16384		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	19661		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	53248		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	54067		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	56115		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	56934		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3] t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	58163		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	60211		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	60621		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	61030		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	4915		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	9421		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	15155		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	16384		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	18432		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	20070		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	21709		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	23347		
t_TrqLOA_X_Kph_u10p6[0]	23347 16960		
t_TrqLOA_X_Kph_u10p6[1]			
t TrgLOA X Kph u10p6[2]	17024 17088		
t_TrqLOA_X_Kph_u10p6[3]	17152		
	17216		
t_TrqLOA_X_Kph_u10p6[4]			
t_TrqLOA_X_Kph_u10p6[5]	17280		
t_TrqLOA_X_Kph_u10p6[6]	17344		
t_TrqLOA_X_Kph_u10p6[7]	17408		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthor	ity_Uls_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecSq	_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelValid_Cnt	t_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMtgtnEr	n_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrRa	adpS_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_HwDe	g_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOAAvail_Cnt_		
target Rte Inst Ap TrqLOA.TrqLOA Per1 TrqLOACmd MtrNm f32	target_TrqLOA_Per1_TrqLOACmd_MtrN		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSpeedValid		
target Rte Inst Ap TrqLOA.TrqLOA Per1 VehicleSpeed Kph f32	target_TrqLOA_Per1_VehicleSpeed_Kpl		
	1	11_102	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value			
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-7.34334469		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-274.225433		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-196.351166		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	151.566467		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.299987793	0.299987793	_
		0.212130412 ± 0.01	
TIDLUA LATACCEISV O. M. Str.SV. LIIE 197	0.212130412		
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32 TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0.212130412		- V
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	~
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32 TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01 0 ± 0.01	~
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32 TrqLOA_TloaCmd_MtrNm_M_f32 TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0 0 -0.815231204	0 ± 0.01 0 ± 0.01 -0.815231204 ± 0.01	✓
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32 TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01 0 ± 0.01	~





Test Step 2.135 (Repeat Count = 1)	. V
Name	Input Value
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA
TrqLOA_LatAccScaleFactor_Uls_M_f32	
TrgLOA LatAccelSV g M Str.SV UIs f32	0.300000012
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0810000002
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	3.94957662
TrqLOA_TloaCmd_MtrNm_M_f32	0
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	1.66605556
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	9.85951519
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	911.98468
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-53.3915215
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	51.8754578 -584.015686
k_TrqLOA_FallingRampRate_UlspS_f32 k_TrqLOA_LatAccConversionFactor_Uls_f32	9.2230463
k TrqLOA LimOutput MtrNm f32	0
k_TrqLOA_MaxScaleFactor_Uls_f32	1
k_TrqLOA_MinScaleFactor_Uls_f32	1
k_TrqLOA_NomDrvTrq_MtrNm_f32	2.85271311
k_TrqLOA_RisingRampRate_UlspS_f32	768.586548
k_TrqLOA_SteerRatio_Uls_f32	68.3248825
k_TrqLOA_UndersteerGrad_RadpG_f32	0.25
k_TrqLOA_Wheelbase_M_f32	13.7449617
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	10158
t2_TrqLOA_DiffGainY_UIs_u1p15[0][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	12780 13107
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3] t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	12124
t2_TrqLOA_DiffGainY_UIs_u1p15[1][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	12124 12780
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2] t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	10158 12124
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1] t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	12780
t2_rrqLOA_DiliGainY_Ois_u1p15[6][2]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	13107
t_TrqLOA_DiffGainX_G_u2p14[0]	5079
t_TrqLOA_DiffGainX_G_u2p14[1]	6062
t_TrqLOA_DiffGainX_G_u2p14[2]	6390
t_TrqLOA_DiffGainX_G_u2p14[3]	6554
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0] t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	14720 15040
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	15360
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	15680
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	16000
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	6554
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	16384
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	19661
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	4096
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1] t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	4915 8192
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	9011
	100





Name	Input Value		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	12288		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	13107		
t TrgLOA LatAccGain Y MtrNmpG u4p12[6]	16384		
t TrgLOA LatAccGain Y MtrNmpG u4p12[7]	17203		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	5734		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	10650		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	15974		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	16794		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	19251		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	20890		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	22938		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	24166		
t_TrqLOA_X_Kph_u10p6[0]	17472		
t_TrqLOA_X_Kph_u10p6[1]	17536		
t_TrqLOA_X_Kph_u10p6[2]	17600		
t_TrqLOA_X_Kph_u10p6[3]	17664		
t_TrqLOA_X_Kph_u10p6[4]	17728		
t_TrqLOA_X_Kph_u10p6[5]	17792		
t_TrqLOA_X_Kph_u10p6[6]	17856		
t_TrqLOA_X_Kph_u10p6[7]	17920		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecSq_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_Igc	target_TrqLOA_Per1_LatAccelValid_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_HwDeg_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc	target_TrqLOA_Per1_TrqLOAAv	/ail_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACr	md_MtrNm_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc	target_TrqLOA_Per1_VehicleSp	eedValid_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSp	eed_Kph_f32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	1		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-4.5761981		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-1625.71875		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	218.515076		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	313.603424		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.893216968	0.893216968	•
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.292585343	0.292585343 ± 0.01	•
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	•
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	•
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	1	1 ± 0.01	•
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	•
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0	0 ± 0.01	•

Test Step 2.136 (Repeat Count = 1)	
Name	Input Value
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA
TrqLOA_LatAccScaleFactor_Uls_M_f32	1
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.34999994
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0815000013
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-7.3503871
TrqLOA_TloaCmd_MtrNm_M_f32	0.5
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-1.32315111
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	6.69425678
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	637.941956
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-4.69287825
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	81.2322464
k_TrqLOA_FallingRampRate_UlspS_f32	-405.371887
k_TrqLOA_LatAccConversionFactor_Uls_f32	0.397788286
k_TrqLOA_LimOutput_MtrNm_f32	8.80000019
k_TrqLOA_MaxScaleFactor_Uls_f32	0.661162853
k_TrqLOA_MinScaleFactor_Uls_f32	1
k_TrqLOA_NomDrvTrq_MtrNm_f32	8.80000019
k_TrqLOA_RisingRampRate_UlspS_f32	341.213867
k_TrqLOA_SteerRatio_Uls_f32	56.4514389
k_TrqLOA_UndersteerGrad_RadpG_f32	0.25
k_TrqLOA_Wheelbase_M_f32	10.2917967
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	13763





Name	Input Value
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	15729
t2_TrqLOA_DiffGainY_UIs_u1p15[0][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	13763
t2_TrqLOA_DiffGainY_UIs_u1p15[1][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	15729 17039
t2_TrqLOA_DiffGainY_UIs_u1p15[2][2] t2_TrqLOA_DiffGainY_UIs_u1p15[2][3]	19661
t2_TrqLOA_DiriGainY_UIs_u1p15[3][0]	13763
t2 TrqLOA DiffGainY Uls u1p15[3][1]	15729
t2_TrqLOA_DiffGainY_UIs_u1p15[3][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	15729
t2_TrqLOA_DiffGainY_UIs_u1p15[4][2]	17039
t2_TrqLOA_DiffGainY_UIs_u1p15[4][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	15729
t2_TrqLOA_DiffGainY_UIs_u1p15[6][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	19661
t_TrqLOA_DiffGainX_G_u2p14[0]	6881
t_TrqLOA_DiffGainX_G_u2p14[1]	7864
t_TrqLOA_DiffGainX_G_u2p14[2]	8520
t_TrqLOA_DiffGainX_G_u2p14[3]	9830
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	16320
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	16640
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2] t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	16960 17280
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	17600
t TrqLOA HighSpeedTrqBlend Y Uls u1p15[0]	6554
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	16384
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	19661
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	20480
t TrqLOA LatAccGain Y MtrNmpG u4p12[1]	21299
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	24576
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	25395
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	28672
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	29491
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	32768
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	33587
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	6554
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	11878
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	16794
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	17203
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	20070
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	21709
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	24166
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	24986
t_TrqLOA_X_Kph_u10p6[0]	17984
t_TrqLOA_X_Kph_u10p6[1]	18048
t_TrqLOA_X_Kph_u10p6[2]	18112
t_TrqLOA_X_Kph_u10p6[3]	18176
t_TrqLOA_X_Kph_u10p6[4]	18240
t_TrqLOA_X_Kph_u10p6[5]	18304
t_TrqLOA_X_Kph_u10p6[6]	18368
t_TrqLOA_X_Kph_u10p6[7]	18432
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32 target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32 target_TrqLOA_Per1_LatAcc_MpSecSq_f32
	Transport TIQLOM FOLL LARMOO INDUCTION TO
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_Igc	target_TrqLOA_Per1_LatAccelValid_Cnt_lgc

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Name	Input Value		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_HwDeg_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc	target_TrqLOA_Per1_TrqLOAAv	/ail_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACı	md_MtrNm_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSp	eedValid_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSp	eed_Kph_f32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	1		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	8.46458626		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	1497.62024		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	98.8682098		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	372.836304		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.990614235	0.990614235	~
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.33107844	0.33107844 ± 0.01	✓
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	✓
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	✓
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-0.640723348	-0.640723348 ± 0.01	~
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	~
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0	0 ± 0.01	✓

Test Step 2.137 (Repeat Count = 1) Name	Input Value
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA
TrqLOA LatAccScaleFactor UIs M f32	1
TrqLOA LatAccelSV g M Str.SV Uls f32	0.40000006
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0820000023
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-1.95104527
TrqLOA_Goalcumii Trqoma_mii Trm_io2	1
TrqLOA_TrgBasedScaleFactor Uls M f32	-1.5306412
<pre><_TrqLOA_AbsAssistThreshold_MtrNm_f32</pre>	4.52871656
k TrgLOA AbsVelThreshold MtrRadpS f32	857.356201
TrqLOA_biffScaleRateLimiterFalling UlspS f32	-42.9399986
<pre><_TrqLOA_DiffScaleRateLimiterFailing_UlspS_f32</pre>	43.6063995
	-924.257385
k_TrqLOA_FallingRampRate_UlspS_f32	
k_TrqLOA_LatAccConversionFactor_Uls_f32	10
k_TrqLOA_LimOutput_MtrNm_f32	8.10000038 1
k_TrqLOA_MaxScaleFactor_Uls_f32	
k_TrqLOA_MinScaleFactor_Uls_f32	1
K_TrqLOA_NomDrvTrq_MtrNm_f32	6.53715372
<_TrqLOA_RisingRampRate_UlspS_f32	299.682953
x_TrqLOA_SteerRatio_Uls_f32	12.8664446
x_TrqLOA_UndersteerGrad_RadpG_f32	0.25
C_TrqLOA_Wheelbase_M_f32	14.8343668
2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	17367
2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	19333
2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	21299
2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	26214
2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	17367
2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	19333
2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	21299
2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	26214
2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	17367
2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	19333
2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	21299
2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	26214
2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	17367
2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	19333
2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	21299
2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	26214
2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	17367
2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	19333
2 TrqLOA DiffGainY Uls u1p15[4][2]	21299
2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	26214
2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	17367
2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	19333
2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	21299
2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	26214
2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	17367
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Name	Input Value		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	19333		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	21299		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	26214		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	17367		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	19333		
t2_TrqLOA_DiffGainY_UIs_u1p15[7][2]	21299		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	26214		
t_TrqLOA_DiffGainX_G_u2p14[0]	8684		
t_TrqLOA_DiffGainX_G_u2p14[1]	9667		
t_TrqLOA_DiffGainX_G_u2p14[2]	10650		
t_TrqLOA_DiffGainX_G_u2p14[3]	13107 17920		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0] t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	18240		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	18560		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	18880		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	19200		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	6554		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	9830		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	13107		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	16384		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	19661		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	36864		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	37683		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	40960		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	41779		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	45056		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	45875		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	49152		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	49971		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	7373		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	13107		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	17613		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	17613		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	20890		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	22528		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	25395		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	25805		
t_TrqLOA_X_Kph_u10p6[0]	18496		
t_TrqLOA_X_Kph_u10p6[1]	18560		
t_TrqLOA_X_Kph_u10p6[2]	18624 18688		
t_TrqLOA_X_Kph_u10p6[3]	18752		
t_TrqLOA_X_Kph_u10p6[4] t_TrqLOA_X_Kph_u10p6[5]	18816		
t_TrqLOA_X_Kph_u10p6[6]	18880		
t_TrqLOA_X_Kph_u10p6[7]	18944		
target Rte Inst Ap TrqLOA.TrqLOA Per1 HandwheelAuthority Uls f32	target_TrqLOA_Per1_HandwheelA	Authority I lls f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_Mp8		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target TrgLOA Per1 LatAccelVal		
target Rte Inst Ap TrqLOA.TrqLOA Per1 MotAgLoaMtgtnEn Cnt Igc	target TrgLOA Per1 MotAqLoaM	0	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target TrqLOA Per1 MtrVelCRF	· ·	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_l	HwDeg f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc	target_TrqLOA_Per1_TrqLOAAvai		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmo	d_MtrNm_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc	target_TrqLOA_Per1_VehicleSpee		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpee	ed_Kph_f32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0.179282784		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	3.75306058		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	0		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	1672.7135		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	459.640747		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc.value	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	447.106415		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.914120018	0.914120018	•
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.564272463	0.564272463 ± 0.01	•
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	•
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	•
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-0.931275249	-0.931275189 ± 0.01	·
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	•
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0	0 ± 0.01	•





Test Step 2.138 (Repeat Count = 1)	
Name	Input Value
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA
TrqLOA_LatAccScaleFactor_Uls_M_f32	1
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.449999988
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0125000002
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-8.20992279
TrqLOA_TloaCmd_MtrNm_M_f32	1.5
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	1.30465853
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	6.82178497 443.192719
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32 k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-5.55758905
k TrqLOA DiffScaleRateLimiterRising UlspS f32	49.3378868
k_TrqLOA_FallingRampRate_UlspS_f32	-982.800964
k_TrqLOA_LatAccConversionFactor_Uls_f32	2.51905036
k_TrqLOA_LimOutput_MtrNm_f32	7.80701733
k_TrqLOA_MaxScaleFactor_Uls_f32	0.465555906
k_TrqLOA_MinScaleFactor_Uls_f32	0.111157894
k_TrqLOA_NomDrvTrq_MtrNm_f32	2.3324821
k_TrqLOA_RisingRampRate_UlspS_f32	328.660156
k_TrqLOA_SteerRatio_UIs_f32	74.9874039
k_TrqLOA_UndersteerGrad_RadpG_f32 k_TrqLOA_Wheelbase_M_f32	0.25 7.12618113
t2 TrqLOA DiffGainY Uls u1p15[0][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	2458
t2_TrqLOA_DiffGainY_UIs_u1p15[0][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	6226
t2_TrqLOA_DiffGainY_UIs_u1p15[2][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	2458 4915
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2] t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0] t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	655 2458
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	655
t2_TrqLOA_DiffGainY_UIs_u1p15[7][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3] t_TrqLOA_DiffGainX_G_u2p14[0]	6226 10486
t_TrqLOA_DiffGainX_G_u2p14[0] t_TrqLOA_DiffGainX_G_u2p14[1]	11469
t TrqLOA DiffGainX G u2p14[1]	12780
t_TrqLOA_DiffGainX_G_u2p14[3]	16384
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	14720
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	15040
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	15360
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	15680
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	16000
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	6554
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	13107 16384
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3] t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	19661
t_TrqLOA_nignspeed1rqsiend_1_ois_01p15[4]	53248
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	54067
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	56115
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	56934





Name	Input Value		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	58163		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	60211		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	60621		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	61030		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	8192		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	14336		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	18432		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	18022		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	21709		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	23347		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	26624		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	26624		
t_TrqLOA_X_Kph_u10p6[0]	19008		
t_TrqLOA_X_Kph_u10p6[1]	19072		
t_TrqLOA_X_Kph_u10p6[2]	19136		
t_TrqLOA_X_Kph_u10p6[3]	19200		
t_TrqLOA_X_Kph_u10p6[4]	19264		
t_TrqLOA_X_Kph_u10p6[5]	19328		
t_TrqLOA_X_Kph_u10p6[6]	19392		
t_TrqLOA_X_Kph_u10p6[7]	19456		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecSq_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelValid_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_HwDeg_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc	target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpeed_Kph_f32		
target_TrqLOA_Per1_HandwheelAuthority_UIs_f32.value	1		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-2.65734434		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	269.040253		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-753.235291		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	460.389832		
Name	Actual Value Expect	ed Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.988884807 0.988884	1807	•
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.435756564 0.435756	6564 ± 0.01	•
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-0.42870152 -0.42870	155 ± 0.01	•
TrqLOA_TloaCmd_MtrNm_M_f32	-0.42870152 -0.42870	1155 ± 0.01	•
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.111157894 0.111157	7894 ± 0.01	•
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0 0		
target TrqLOA Per1 TrqLOACmd MtrNm f32.value	-0.42870152 -0.42870	1155 ± 0.01	

Name	Input Value	
Rte Inst Ap TrqLOA	target Rte Inst Ap TrqLOA	
TrqLOA LatAccScaleFactor Uls M f32	0.479095101	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.5	
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.714999974	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	2.836766	
TrqLOA_TloaCmd_MtrNm_M_f32	2	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	2	
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	9.11573696	
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	640.632874	
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-18.1904697	
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	19.0191021	
k_TrqLOA_FallingRampRate_UlspS_f32	-278.38269	
k_TrqLOA_LatAccConversionFactor_Uls_f32	0.360343367	
k_TrqLOA_LimOutput_MtrNm_f32	4.73701429	
k_TrqLOA_MaxScaleFactor_Uls_f32	0.513206601	
k_TrqLOA_MinScaleFactor_Uls_f32	1	
k_TrqLOA_NomDrvTrq_MtrNm_f32	8.80000019	
k_TrqLOA_RisingRampRate_UlspS_f32	716.262695	
k_TrqLOA_SteerRatio_Uls_f32	13.2766314	
k_TrqLOA_UndersteerGrad_RadpG_f32	0.25	
k_TrqLOA_Wheelbase_M_f32	6.08591223	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	6554	





Name	Input Value
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	9503
t2_TrqLOA_DiffGainY_UIs_u1p15[0][3]	9830
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3] t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	9830 6554
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	9503
t2 TrqLOA DiffGainY UIs u1p15[2][3]	9830
t2_TrqLOA_DiffGainY_UIs_u1p15[3][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	9830
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	9830
t2_TrqLOA_DiffGainY_UIs_u1p15[5][0]	6554 8192
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1] t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	9503
t2 TrqLOA DiffGainY Uls u1p15[5][2]	9830
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	9830
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	6554
t2_TrqLOA_DiffGainY_UIs_u1p15[7][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	9830
t_TrqLOA_DiffGainX_G_u2p14[0]	12288
t_TrqLOA_DiffGainX_G_u2p14[1]	13271 14909
t_TrqLOA_DiffGainX_G_u2p14[2] t_TrqLOA_DiffGainX_G_u2p14[3]	19661
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	16320
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	16640
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	16960
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	17280
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	17600
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	6554
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	16384
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	19661 4096
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0] t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	4915
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	8192
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	9011
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	12288
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	13107
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	16384
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	17203
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	9011
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	15565
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	19251
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	18432
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	22528
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5] t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	24166 27853
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	27443
t_TrqLOA_X_Kph_u10p6[0]	19520
t_TrqLOA_X_Kph_u10p6[1]	19584
t_TrqLOA_X_Kph_u10p6[2]	19648
t_TrqLOA_X_Kph_u10p6[3]	19712
t_TrqLOA_X_Kph_u10p6[4]	19776
t_TrqLOA_X_Kph_u10p6[5]	19840
t_TrqLOA_X_Kph_u10p6[6]	19904
t_TrqLOA_X_Kph_u10p6[7]	19968
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32 target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32
CHANGE SEE THE AND LEGICIA LEGICIA DOPT LOTACE MINSOCSA 137	target_TrqLOA_Per1_LatAcc_MpSecSq_f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_Igc	target_TrqLOA_Per1_LatAccelValid_Cnt_lgc

target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value



TrqLOA_Per1

Name	Input Value		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_h	HwDeg_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc	target_TrqLOA_Per1_TrqLOAAvail	I_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd	_MtrNm_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSpee	dValid_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpee	d_Kph_f32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0.803684115		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-1.85368073		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-136.57225		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-349.744446		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	320.258331		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.442714155	0.442714155	~
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	-1.13392997	-1.13392997 ± 0.01	✓
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	~
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	~
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	1.44323468	1.44323468 ± 0.01	~
target TrqLOA Per1 TrqLOAAvail Cnt Igc.value	0	0	✓

0

0 ± 0.01

Name	Input Value	
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA	
TrqLOA LatAccScaleFactor UIs M f32	0.248834133	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.550000012	
FrgLOA LatAccelSV g M Str.K Uls f32	0.5	
FrgLOA ScaledMtrTrqCmd MtrNm M f32	1.02403057	
TrqLOA_TloaCmd_MtrNm_M_f32	1	
FrqLOA_TrqBasedScaleFactor_Uls_M_f32	-0.991099596	
<pre>c_TrqLOA_AbsAssistThreshold_MtrNm_f32</pre>	7.02691031	
C_TrqLOA_AbsVelThreshold_MtrRadpS_f32	117.90097	
<pre>c</pre>	-83.1473618	
TrgLOA DiffScaleRateLimiterRising UlspS f32	42.0359383	
TrqLOA FallingRampRate UlspS f32	-36.5625839	
TrqLOA LatAccConversionFactor Uls f32	6.11463165	
:_TrqLOA_LimOutput_MtrNm_f32	6.10116196	
C_TrqLOA_Limoutput_iviinviii_i32	1	
:_TrqLOA_MinScaleFactor_UIs_f32	0.183480024	
C_TrqLOA_NomDrvTrq_MtrNm_f32	8.8000019	
rrqLOA_RisingRampRate_UlspS_f32	569.790222	
:_TrqLOA_SteerRatio_Uls_f32	68.2026367	
TrqLOA_SteerNatio_bis_is2	0.0847294927	
TrqLOA Wheelbase M f32	18.9199467	
2 TrqLOA_viriceibase_ivi_i32 2 TrqLOA DiffGainY Uls u1p15[0][0]	10.5193407	
_ , ,	12124	
2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	12780	
2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	13107	
2_TrqLOA_DiffGainY_Uls_u1p15[0][3]		
2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	10158	
2_TrqLOA_DiffGainY_UIs_u1p15[1][1]	12124	
2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	12780	
2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	13107	
2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	10158	
2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	12124	
2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	12780	
2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	13107	
2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	10158	
2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	12124	
2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	12780	
2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	13107	
2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	10158	
2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	12124	
2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	12780	
2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	13107	
2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	10158	
2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	12124	
2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	12780	
2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	13107	
2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	10158	





Name	Input Value		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	12124		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	12780		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	13107		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	10158		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	12124		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	12780		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	13107		
t_TrqLOA_DiffGainX_G_u2p14[0] t TrqLOA DiffGainX G u2p14[1]	14090 15073		
t TrqLOA DiffGainX G u2p14[2]	17039		
t_TrqLOA_DiffGainX_G_u2p14[3]	22938		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	17920		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	18240		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	18560		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	18880		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	19200		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	6554		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	9830		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	13107		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	16384		
t_TrqLOA_HighSpeedTrqBlend_Y_UIs_u1p15[4]	19661		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	20480		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	21299 24576		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2] t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	25395		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	28672		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	29491		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	32768		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	33587		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	9830		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	16794		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	20070		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	18842		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	23347		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	24986		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	29082		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	28262		
t_TrqLOA_X_Kph_u10p6[0] t_TrqLOA_X_Kph_u10p6[1]	20032 20096		
t TrgLOA X Kph u10p6[2]	20160		
t_TrqLOA_X_Kph_u10p6[3]	20224		
t_TrqLOA_X_Kph_u10p6[4]	20288		
t_TrqLOA_X_Kph_u10p6[5]	20352		
t_TrqLOA_X_Kph_u10p6[6]	20416		
t_TrqLOA_X_Kph_u10p6[7]	20480		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpS	SecSq_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_Igc	target_TrqLOA_Per1_LatAccelVal	,	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaM		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_l		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOAAvai target_TrqLOA_Per1_TrqLOACmo		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACIng_MtiNin_isz target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc	target_TrqLOA_Per1_VehicleSpee		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpee		
target TrqLOA Per1 HandwheelAuthority Uls f32.value	0.923748732		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-2.79451799		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	0		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	676.599976		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-984.367676		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	241.496582	1-	1-
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.332906008	0.332906008	•
TrqLOA_LatAccelSV_g_M_Str.SV_UIs_f32	-0.724869788	-0.724869788 ± 0.01	•
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-0.0118510947	-0.0118510956 ± 0.01	
TrqLOA_TloaCmd_MtrNm_M_f32 TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-0.0118510947 0.148480892	-0.0118510956 ± 0.01 0.148480892 ± 0.01	
119E-07 _ 119E-030G-00G-01 - 00G-01 - 010 _ 101 _ 102	0.170700002		
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	•



Test Case 3: Path Test

Specification

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

CPU Cycles:

TS3.1 730 Cycles
TS3.2 833 Cycles
TS3.3 717 Cycles
TS3.4 716 Cycles
TS3.5 719 Cycles
TS3.6 668 Cycles
TS3.7 725 Cycles
TS3.8 734 Cycles
TS3.9 741 Cycles
TS3.10 725 Cycles
TS3.11 793 Cycles
TS3.12 729 Cycles

Description

Vector Description:

TS3.1(NomDrvTrq_MtrNm_T_f32 > k_TrqLOA_NomDrvTrq_MtrNm_f32)=TRUE
TS3.2(NomDrvTrq_MtrNm_T_f32 > k_TrqLOA_NomDrvTrq_MtrNm_f32)=TRUE
TS3.3"(NomDrvTrq_MtrNm_T_f32 > k_TrqLOA_NomDrvTrq_MtrNm_f32)=FALSE
(NomDrvTrq_MtrNm_T_f32 < (-k_TrqLOA_NomDrvTrq_MtrNm_f32)=FALSE"
TS3.4"(NomDrvTrq_MtrNm_T_f32 > k_TrqLOA_NomDrvTrq_MtrNm_f32)=FALSE
(NomDrvTrq_MtrNm_T_f32 < (-k_TrqLOA_NomDrvTrq_MtrNm_f32)=FALSE"
TS3.5(NomDrvTrq_MtrNm_T_f32 > k_TrqLOA_NomDrvTrq_MtrNm_f32)=FALSE"
TS3.5(NomDrvTrq_MtrNm_T_f32 > k_TrqLOA_NomDrvTrq_MtrNm_f32)=FALSE
(NomDrvTrq_MtrNm_T_f32 > k_TrqLOA_NomDrvTrq_MtrNm_f32)=FALSE

Test Step 3.1 (Repeat Count = 1)	✓
Name	Input Value
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.985183835
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.100000001
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0130000003
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-5.7119751
TrqLOA_TloaCmd_MtrNm_M_f32	-8
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-0.970122039
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	3.60568953
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	135.044952
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-98.6264648
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	27.9837322
k_TrqLOA_FallingRampRate_UlspS_f32	-285.769348
k_TrqLOA_LatAccConversionFactor_Uls_f32	5.11622667
k_TrqLOA_LimOutput_MtrNm_f32	2.05712366
k_TrqLOA_MaxScaleFactor_Uls_f32	0.47853148
k_TrqLOA_MinScaleFactor_Uls_f32	0.21500051
k_TrqLOA_NomDrvTrq_MtrNm_f32	2.11723351
k_TrqLOA_RisingRampRate_UlspS_f32	775.606445
k_TrqLOA_SteerRatio_Uls_f32	27.0728893
k_TrqLOA_UndersteerGrad_RadpG_f32	0.0683564693
k_TrqLOA_Wheelbase_M_f32	20
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	655
t2_TrqLOA_DiffGainY_UIs_u1p15[0][1]	2458
t2_TrqLOA_DiffGainY_UIs_u1p15[0][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	6226
t2_TrqLOA_DiffGainY_UIs_u1p15[1][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	2458
t2_TrqLOA_DiffGainY_UIs_u1p15[1][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	6226
t2_TrqLOA_DiffGainY_UIs_u1p15[2][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	2458
t2_TrqLOA_DiffGainY_UIs_u1p15[2][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	655





N	1 (1/1.)		
Name	Input Value		
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	2458		
t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	4915		
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3] t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	6226 655		
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	2458		
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	4915		
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	6226		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	655		
t2_TrqLOA_DiffGainY_UIs_u1p15[6][1]	2458		
t2_TrqLOA_DiffGainY_UIs_u1p15[6][2]	4915		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	6226		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	655		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	2458		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	4915		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	6226		
t_TrqLOA_DiffGainX_G_u2p14[0]	328		
t_TrqLOA_DiffGainX_G_u2p14[1]	1229		
t_TrqLOA_DiffGainX_G_u2p14[2]	2458		
t_TrqLOA_DiffGainX_G_u2p14[3]	3113		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	320		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	640		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	960		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	1280		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	1600		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	3277		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	6554		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2] t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	9830 13107		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	16384		
t_TrqLOA_nigitspeeu trqbiend_1_ois_u1p15[4] t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	4096		
t TrqLOA LatAccGain Y MtrNmpG u4p12[1]	4915		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	8192		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	9011		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	12288		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	13107		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	16384		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	17203		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	4096		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	8192		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	14336		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	15974		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	17613		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	19251		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	20480		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	22528		
t_TrqLOA_X_Kph_u10p6[0]	64		
t_TrqLOA_X_Kph_u10p6[1]	128		
t_TrqLOA_X_Kph_u10p6[2]	192		
t_TrqLOA_X_Kph_u10p6[3]	256		
t_TrqLOA_X_Kph_u10p6[4]	320		
t_TrqLOA_X_Kph_u10p6[5]	384		
t_TrqLOA_X_Kph_u10p6[6]	448		
t_TrqLOA_X_Kph_u10p6[7]	512	colAuthority I llo 522	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_Handwh	,	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_ target_TrqLOA_Per1_LatAcce		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_Igc target_Rte_Inst_Ap_TrqLOA.TrqLOA Per1_MotAgLoaMtgtnEn_Cnt_Igc	target_TrqLOA_Per1_LatAcce		
target Rte Inst Ap TrqLOA.TrqLOA Per I_MorAgLoaMigthEn_Chl_igc target Rte Inst Ap TrqLOA.TrqLOA Per I MtrVelCRF MtrRadpS f32	target_TrqLOA_Per1_WotAgL		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwP		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAvail_Cnt_lgc	target_TrqLOA_Per1_TrqLOA		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOA		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_Vehicles		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleS		
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0	· -, -	
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-0.205600679		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	1986.76208		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	290.911285		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc.value	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	392.295563		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.787930906	0.787930906	✓





Name	Actual Value	Expected Value	Result
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.127424985	0.127424985 ± 0.01	✓
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0.465865254	0.465865254 ± 0.01	✓
TrqLOA_TloaCmd_MtrNm_M_f32	0.465865254	0.465865254 ± 0.01	✓
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.21500051	0.21500051 ± 0.01	✓
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	✓
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0.465865254	0.465865254 ± 0.01	✓

Test Step 3.2 (Repeat Count = 1)		
Name	Input Value	
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA	
TrqLOA_LatAccScaleFactor_Uls_M_f32	1	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.150000006	
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0135000004	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	8.8000019	
TrqLOA_TloaCmd_MtrNm_M_f32	-7.5	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32 k TrqLOA AbsAssistThreshold MtrNm f32	-0.399481773 9.01481533	
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	479.457977	
k TrqLOA DiffScaleRateLimiterFalling UlspS f32	-27.0471287	
k TrqLOA DiffScaleRateLimiterRising UlspS f32	59.5514755	
k_TrqLOA_FallingRampRate_UlspS_f32	-645.648438	
k_TrqLOA_LatAccConversionFactor_Uls_f32	8.51897812	
k_TrqLOA_LimOutput_MtrNm_f32	1.56783617	
k_TrqLOA_MaxScaleFactor_Uls_f32	1	
k_TrqLOA_MinScaleFactor_Uls_f32	0.791850328	
k_TrqLOA_NomDrvTrq_MtrNm_f32	8.80000019	
k_TrqLOA_RisingRampRate_UlspS_f32	618.79248	
k_TrqLOA_SteerRatio_Uls_f32	37.3851547	
k_TrqLOA_UndersteerGrad_RadpG_f32	0.0208133459	
k_TrqLOA_Wheelbase_M_f32	7.83032274	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	6554	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	8192	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	9503	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	9830	
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	6554	
t2_TrqLOA_DiffGainY_UIs_u1p15[1][1]	8192 9503	
t2_TrqLOA_DiffGainY_UIs_u1p15[1][2] t2_TrqLOA_DiffGainY_UIs_u1p15[1][3]	9830	
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	6554	
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	8192	
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	9503	
t2_TrqLOA_DiffGainY_UIs_u1p15[2][3]	9830	
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	6554	
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	8192	
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	9503	
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	9830	
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	6554	
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	8192	
t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	9503	
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	9830	
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	6554	
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	8192	
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	9503	
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	9830	
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	6554	
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	8192	
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	9503	
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	9830	
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0] t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	6554 8192	
t2_frqLOA_DiffGainY_Ois_u1p15[7][1] t2_frqLOA_DiffGainY_Uls_u1p15[7][2]	9503	
t2_frqLOA_biliGaint*_bis_u1p15[7][2] t2_frqLOA_biffGainY_Uls_u1p15[7][3]	9830	
t TrgLOA DiffGainX G u2p14[0]	3277	
t_TrqLOA_DiffGainX_G_u2p14[1]	4096	
t_TrqLOA_DiffGainX_G_u2p14[2]	4751	
t_TrqLOA_DiffGainX_G_u2p14[3]	4915	
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	1920	
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	2240	
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	2560	
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	2880	
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	3200	

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Name	Input Value		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	3277		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	6554		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	9830		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	13107		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	16384		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	20480		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	21299		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	24576		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	25395		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	28672		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	29491		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	32768		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	33587		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	4915		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	9421		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	15155		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	16384		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	18432		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	20070		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	21709		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	23347		
t_TrqLOA_X_Kph_u10p6[0]	576		
t_TrqLOA_X_Kph_u10p6[1]	640		
t_TrqLOA_X_Kph_u10p6[2]	704		
t_TrqLOA_X_Kph_u10p6[3]	768		
t_TrqLOA_X_Kph_u10p6[4]	832		
t_TrqLOA_X_Kph_u10p6[5]	896		
t_TrqLOA_X_Kph_u10p6[6]	960		
t_TrqLOA_X_Kph_u10p6[7]	1024		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecSq_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelValid_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_Igc	target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_HwDeg_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc	target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc	target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpeed_Kph_f32		
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	1		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	0.305431128		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	0		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-112.906868		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	963.27478		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	9.5098877		
Name	Actual Value	Expected Value	Result
TrqLOA LatAccScaleFactor Uls M f32	0.945905745	0.945905745	
TrgLOA_LatAccelSV g M Str.SV Uls f32	0.148525566	0.148525566 ± 0.01	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.791850328	0.791850328 ± 0.01	
target TrqLOA Per1 TrqLOAAvail Cnt Igc.value	0	0	
target_Tral_OA_Per1_Tral_OACmd_Mtrblm_f22.value		0 + 0 01	

Test Step 3.3 (Repeat Count = 1)		✓
Name	Input Value	
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA	
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.386923671	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.40000006	
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0160000008	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-2.25017142	
TrqLOA_TloaCmd_MtrNm_M_f32	-5	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-1.50114989	
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	3.29628921	
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	118.545525	
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-97.4050827	
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	65.1571655	
k_TrqLOA_FallingRampRate_UlspS_f32	-180.683548	
k_TrqLOA_LatAccConversionFactor_Uls_f32	9.771945	

0

0 ± 0.01

target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value

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Name	Input Value
k_TrqLOA_LimOutput_MtrNm_f32	0.855211735
k_TrqLOA_MaxScaleFactor_Uls_f32	1
k_TrqLOA_MinScaleFactor_Uls_f32	0.73919785
k_TrqLOA_NomDrvTrq_MtrNm_f32	4.23845387
k_TrqLOA_RisingRampRate_UlspS_f32	282.893677
k_TrqLOA_SteerRatio_Uls_f32	74.9537659
k_TrqLOA_UndersteerGrad_RadpG_f32	0.25
k_TrqLOA_Wheelbase_M_f32	6.75685263
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	9503 9830
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3] t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	9830
t2_TrqLOA_DiffGainY_UIs_u1p15[2][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	9830
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	9830
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	9830
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	9503
t2_TrqLOA_DiffGainY_UIs_u1p15[5][3]	9830 6554
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0] t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	9830
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	6554
t2_TrqLOA_DiffGainY_UIs_u1p15[7][1]	8192
t2 TrqLOA DiffGainY Uls u1p15[7][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	9830
t_TrqLOA_DiffGainX_G_u2p14[0]	12288
t_TrqLOA_DiffGainX_G_u2p14[1]	13271
t_TrqLOA_DiffGainX_G_u2p14[2]	14909
t_TrqLOA_DiffGainX_G_u2p14[3]	19661
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	9920
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	10240
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	10560
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	10880
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	11200
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	3277
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1] t TrqLOA HighSpeedTrqBlend Y Uls u1p15[2]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	16384
t_TrqLOA_ariginspeed1rqbierid_1_ois_u1p15[4]	36864
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	37683
t TrqLOA_EaAccGain Y MtrNmpG u4p12[2]	40960
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	41779
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	45056
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	45875
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	49152
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	49971
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	9011
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	15565
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	19251
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	18432
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	22528
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	24166
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	27853
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	27443
t_TrqLOA_X_Kph_u10p6[0] t_TrqLOA_X_Kph_u10p6[1]	3136 3200
t_TrqLOA_X_Kph_u10p6[1] t_TrqLOA_X_Kph_u10p6[2]	3200
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Name	Input Value		
t_TrqLOA_X_Kph_u10p6[3]	3328		
t_TrqLOA_X_Kph_u10p6[4]	3392		
t_TrqLOA_X_Kph_u10p6[5]	3456		
t_TrqLOA_X_Kph_u10p6[6]	3520		
t_TrqLOA_X_Kph_u10p6[7]	3584		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthor	ity_Uls_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecSq	_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelValid_Cn	t_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMtgtnE	n_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrRa	adpS_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_HwDe	g_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc	target_TrqLOA_Per1_TrqLOAAvail_Cnt	_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_Mtrl	Nm_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSpeedVali	target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpeed_Kp	h_f32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0.0280352831		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-3.22382641		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-442.008911		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	0		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	232.319672		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.299987793	0.299987793	•
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.393600017	0.393599987 ± 0.01	•
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	~
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	•
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-0.935362518	-0.935362577 ± 0.01	•
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	•
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0	0 ± 0.01	✓

lame	Input Value
Rte_Inst_Ap_TrqLOA	target Rte Inst Ap TrgLOA
rgLOA LatAccScaleFactor Uls M f32	1
rgLOA LatAccelSV g M Str.SV Uls f32	0.449999988
rqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0164999999
rgLOA ScaledMtrTrgCmd MtrNm M f32	8.80000019
rqLOA_TloaCmd_MtrNm_M_f32	-4.5
rqLOA_TrqBasedScaleFactor_Uls_M_f32	1.39562833
_TrqLOA_AbsAssistThreshold_MtrNm_f32	3.50173283
TrqLOA_AbsVelThreshold_MtrRadpS_f32	273.207611
TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-36.3950081
TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	24.804491
	-524.556824
TrqLOA_LatAccConversionFactor_Uls_f32	8.5640192
_TrqLOA_LimOutput_MtrNm_f32	3.37794185
_TrqLOA_MaxScaleFactor_Uls_f32	0.959547281
_TrqLOA_MinScaleFactor_Uls_f32	1
_TrqLOA_NomDrvTrq_MtrNm_f32	3.03419685
_TrqLOA_RisingRampRate_UlspS_f32	12.2064705
_TrqLOA_SteerRatio_Uls_f32	40.7518044
_TrqLOA_UndersteerGrad_RadpG_f32	0.25
_TrqLOA_Wheelbase_M_f32	16.9196377
2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	10158
2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	12124
2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	12780
2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	13107
2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	10158
2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	12124
2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	12780
2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	13107
2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	10158
2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	12124
2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	12780
2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	13107
2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	10158
2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	12124
2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	12780

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Name	Input Value
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	12124
t2_TrqLOA_DiffGainY_UIs_u1p15[7][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	13107
t_TrqLOA_DiffGainX_G_u2p14[0]	14090
t_TrqLOA_DiffGainX_G_u2p14[1]	15073
t_TrqLOA_DiffGainX_G_u2p14[2]	17039
t_TrqLOA_DiffGainX_G_u2p14[3]	22938
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	11520
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	11840
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2] t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	12160 12480
	12800
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4] t TrqLOA HighSpeedTrqBlend Y Uls u1p15[0]	3277
t TrqLOA_HighSpeedTrqBlend Y Uls u1p15[1]	6554
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	16384
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	53248
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	54067
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	56115
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	56934
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	58163
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	60211
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	60621
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	61030
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	9830
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	16794
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	20070
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	18842
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	23347
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	24986
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	29082
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	28262
t_TrqLOA_X_Kph_u10p6[0]	3648
t_TrqLOA_X_Kph_u10p6[1]	3712
t_TrqLOA_X_Kph_u10p6[2]	3776
t_TrqLOA_X_Kph_u10p6[3]	3840
t_TrqLOA_X_Kph_u10p6[4]	3904
t_TrqLOA_X_Kph_u10p6[5]	3968
t_TrqLOA_X_Kph_u10p6[6]	4032
t_TrqLOA_X_Kph_u10p6[7]	4096
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecSq_f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelValid_Cnt_lgc
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_Igc	target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOAAvail_Cnt_Igc
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpeed_Kph_f32
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	1
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-0.578490138
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	0
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-1839.10022
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-592
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	265.125061





Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.927209973	0.927209973	~
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.427665889	0.427663118 ± 0.01	✓
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-3.19882917	-3.19882917 ± 0.01	✓
TrqLOA_TloaCmd_MtrNm_M_f32	-3.19882917	-3.19882917 ± 0.01	~
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	1	1 ± 0.01	~
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	✓
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	-3.19882917	-3.19882917 ± 0.01	✓

Test Step 3.5 (Repeat Count = 1)	
Name	Input Value
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA
TrqLOA_LatAccScaleFactor_Uls_M_f32	1
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.649999976
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0185000002
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	7.2180357
TrqLOA_TloaCmd_MtrNm_M_f32	-2.5
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.340875268
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	9.84898376
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	846.358887
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-77.936348
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	72.3617096
k_TrqLOA_FallingRampRate_UlspS_f32	-861.899231
k_TrqLOA_LatAccConversionFactor_Uls_f32	7.44272804
k_TrqLOA_LimOutput_MtrNm_f32	1.15138853
k_TrqLOA_MaxScaleFactor_Uls_f32	0.901087523
k_TrqLOA_MinScaleFactor_Uls_f32	1
k_TrqLOA_NomDrvTrq_MtrNm_f32	7.09603024
k_TrqLOA_RisingRampRate_UlspS_f32	583.057068
k_TrqLOA_SteerRatio_Uls_f32	28.1238441
k_TrqLOA_UndersteerGrad_RadpG_f32	0.25
k_TrqLOA_Wheelbase_M_f32	5.62831402
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	9830
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	9830
t2_TrqLOA_DiffGainY_UIs_u1p15[2][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	9830
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	9503
t2_TrqLOA_DiffGainY_UIs_u1p15[3][3]	9830 6554
t2_TrqLOA_DiffGainY_UIs_u1p15[4][0] t2_TrqLOA_DiffGainY_UIs_u1p15[4][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	9830
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	9830
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	9503
t2 TrqLOA DiffGainY Uls u1p15[6][3]	9830
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	9830
t_TrqLOA_DiffGainX_G_u2p14[0]	3277
t TrqLOA DiffGainX G u2p14[1]	4096
t_TrqLOA_DiffGainX_G_u2p14[2]	4751
t_TrqLOA_DiffGainX_G_u2p14[3]	4915
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	17920
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	18240
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	18560
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	18880

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Name	Input Value		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	19200		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	3277		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	6554		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	9830		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	13107		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	16384		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	53248		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	54067		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	56115		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	56934		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	58163		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	60211		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	60621		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	61030		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	13107		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	21709		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	23347		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	20480		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	26624		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	28262		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	33997		
t TrgLOA TempTrgCmdSatYTbl MtrNm u4p12[7]	31539		
t_TrqLOA_X_Kph_u10p6[0]	5696		
t_TrqLOA_X_Kph_u10p6[1]	5760		
t TrqLOA X Kph u10p6[2]	5824		
t_TrqLOA_X_Kph_u10p6[3]	5888		
t_TrqLOA_X_Kph_u10p6[4]	5952		
t_TrqLOA_X_Kph_u10p6[5]	6016		
t_TrqLOA_X_Kph_u10p6[6]	6080		
t TrgLOA X Kph u10p6[7]	6144		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSe		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_Igc	target_TrqLOA_Per1_LatAccelValid		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMtg		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_M		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_H	. –	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc	target_TrqLOA_Per1_TrqLOAAvail_		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSpeed		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpeed		
target TrqLOA Per1 HandwheelAuthority Uls f32.value	0.828065395		
target TrqLOA Per1 LatAcc MpSecSq f32.value	-10		
target TrqLOA Per1 LatAccelValid Cnt lgc.value	1		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-1079.4718		
target TrqLOA Per1 RelHwPos HwDeg f32.value	-804.789978		
target TrqLOA Per1 VehicleSpeedValid Cnt lgc.value	0		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	362.635925		
Name	Actual Value	Expected Value	Result
TrqLOA LatAccScaleFactor Uls M f32	0.844127297	0.844127297	Result
·	0.601803422	0.644127297 0.601803422 ± 0.01	
TrqLOA_LatAccelSV_g_M_Str.SV_UIs_f32 Tral_OA_ScaledAttrTrqCmd_Mtrhlm_M_f23			
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-3.24986959	-3.24986959 ± 0.01	
TrqLOA_TloaCmd_MtrNm_M_f32	-1.15138853 1	-1.15138853 ± 0.01 1 ± 0.01	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32 target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	

Test Step 3.6 (Repeat Count = 1)		✓
Name	Input Value	
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA	
TrqLOA_LatAccScaleFactor_Uls_M_f32	0	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.150000006	
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0434999987	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	8.80000019	
TrqLOA_TloaCmd_MtrNm_M_f32	6	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.200000003	
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	2.98309565	
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	909.534851	
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-24.0498333	
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	0	
k_TrqLOA_FallingRampRate_UlspS_f32	-1000	

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Name	Input Value
k_TrqLOA_LatAccConversionFactor_Uls_f32	8.6829052
k_TrqLOA_LimOutput_MtrNm_f32	3.57006645
k_TrqLOA_MaxScaleFactor_Uls_f32	1
k_TrqLOA_MinScaleFactor_Uls_f32	1
k_TrqLOA_NomDrvTrq_MtrNm_f32	0.726554036
k_TrqLOA_RisingRampRate_UlspS_f32	0
k_TrqLOA_SteerRatio_Uls_f32	6.56352139 0.25
k_TrqLOA_UndersteerGrad_RadpG_f32 k_TrqLOA_Wheelbase_M_f32	3.98621607
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[2][0] t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	32768 32768
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	32768
t2_TrqLOA_DiffGainY_UIs_u1p15[4][0]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1] t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	32768 32768
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	32768
t2_TrqLOA_DiffGainY_UIs_u1p15[7][3]	32768 32768
t_TrqLOA_DiffGainX_G_u2p14[0] t_TrqLOA_DiffGainX_G_u2p14[1]	32768
t_TrqLOA_DiffGainX_G_u2p14[2]	32768
t_TrqLOA_DiffGainX_G_u2p14[3]	32768
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	0
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	0
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	0
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	0
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	0
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	32768
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	32768
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2] t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	32768 32768
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	32768
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	20480
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	21299
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	24576
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	25395
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	28672
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	29491
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	32768
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	33587
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	11469
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1] t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	19251 21709
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2] t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	19661
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	24986
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	26624
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	31539
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	29901
	6208
t_TrqLOA_X_Kph_u10p6[0]	

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Name	Input Value		
t_TrqLOA_X_Kph_u10p6[2]	6336	6336	
t_TrqLOA_X_Kph_u10p6[3]	6400	6400	
t_TrqLOA_X_Kph_u10p6[4]	6464		
t_TrqLOA_X_Kph_u10p6[5]	6528	6528	
t_TrqLOA_X_Kph_u10p6[6]	6592		
t_TrqLOA_X_Kph_u10p6[7]	6656		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthor	ity_Uls_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecSq	_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelValid_Cn	t_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMtgtnEr	n_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrRa	dpS_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_HwDe	g_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOAAvail_Cnt	_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_MtrN	lm_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSpeedVali	d_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpeed_Kp	h_f32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0.825533628		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	0.187185764		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	1207.13953		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	863.729614		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	157.958984		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0	0	✓
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.513088524	0.513088584	✓
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0	✓
TrqLOA_TloaCmd_MtrNm_M_f32	0	0	✓
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.200000003	0.200000003	~
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	~
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0	0	✓

Name	Input Value	
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA	
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.738416195	
FrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.550000012	
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0355000012	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-8.80000019	
TrqLOA_TloaCmd_MtrNm_M_f32	-2	
FrqLOA_TrqBasedScaleFactor_Uls_M_f32	1.85944247	
C_TrqLOA_AbsAssistThreshold_MtrNm_f32	8.13665009	
_TrqLOA_AbsVelThreshold_MtrRadpS_f32	70.0263748	
_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-8.00514412	
_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	99.516716	
_TrqLOA_FallingRampRate_UlspS_f32	-163.67894	
_TrqLOA_LatAccConversionFactor_Uls_f32	10	
C_TrqLOA_LimOutput_MtrNm_f32	2.33877659	
C_TrqLOA_MaxScaleFactor_Uls_f32	1	
C_TrqLOA_MinScaleFactor_Uls_f32	1	
C_TrqLOA_NomDrvTrq_MtrNm_f32	1.78339124	
_TrqLOA_RisingRampRate_UlspS_f32	36.7966118	
C_TrqLOA_SteerRatio_Uls_f32	17.9014683	
c_TrqLOA_UndersteerGrad_RadpG_f32	0.25	
C_TrqLOA_Wheelbase_M_f32	14.6375256	
2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	655	
2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	2458	
2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	4915	
2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	6226	
2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	655	
2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	2458	
2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	4915	
2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	6226	
2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	655	
2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	2458	
2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	4915	
2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	6226	
2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	655	
2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	2458	
2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	4915	

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Name	Input Value
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	655
t2_TrqLOA_DiffGainY_UIs_u1p15[5][1]	2458
t2_TrqLOA_DiffGainY_UIs_u1p15[5][2]	4915
t2_TrqLOA_DiffGainY_UIs_u1p15[5][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	655
t2_TrqLOA_DiffGainY_UIs_u1p15[7][1]	2458 4915
t2_TrqLOA_DiffGainY_UIs_u1p15[7][2]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3] t_TrqLOA_DiffGainX_G_u2p14[0]	10486
t TrqLOA DiffGainX G u2p14[1]	11469
t_TrqLOA_DiffGainX_G_u2p14[2]	12780
t_TrqLOA_DiffGainX_G_u2p14[3]	16384
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	320
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	640
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	960
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	1280
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	1600
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	3277
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	6554
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	16384
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	20480
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	21299
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	24576
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	25395
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	28672
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	29491
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	32768
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	33587 9011
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0] t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	15565
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	19251
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	18432
t TrgLOA TempTrgCmdSatYTbl MtrNm u4p12[4]	22528
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	24166
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	27853
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	27443
t_TrqLOA_X_Kph_u10p6[0]	23104
t_TrqLOA_X_Kph_u10p6[1]	23168
t_TrqLOA_X_Kph_u10p6[2]	23232
t_TrqLOA_X_Kph_u10p6[3]	23296
t_TrqLOA_X_Kph_u10p6[4]	23360
t_TrqLOA_X_Kph_u10p6[5]	23424
t_TrqLOA_X_Kph_u10p6[6]	23488
t_TrqLOA_X_Kph_u10p6[7]	23552
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecSq_f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_Igc	target_TrqLOA_Per1_LatAccelValid_Cnt_Igc
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_Igc	target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_Igc
target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc	target_TrqLOA_Per1_RelHwPos_HwDeg_f32 target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc
target Rte Inst Ap TrqLOA.TrqLOA Per1 VehicleSpeed Kph f32	target TrqLOA Per1 VehicleSpeed Kph f32
target TrqLOA Per1 HandwheelAuthority Uls f32.value	0.200104475
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-4.82459116
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	1
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	0
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-1454.8761
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	67.0191269
	1
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1

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Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.72240591	0.72240591	✓
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.539416969	0.539416969 ± 0.01	✓
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0.101881564	0.101881497 ± 0.01	✓
TrqLOA_TloaCmd_MtrNm_M_f32	0.101881564	0.101881497 ± 0.01	✓
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	1.53208458	1.53208458 ± 0.01	✓
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	✓
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0.101881564	0.101881497 ± 0.01	✓

Test Step 3.8 (Repeat Count = 1)	
Name	Input Value
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA
TrqLOA_LatAccScaleFactor_Uls_M_f32	1.
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.200000003
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0140000004
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-5.65911293
TrqLOA_TloaCmd_MtrNm_M_f32	-7
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-0.847059309
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	8.3897934
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	292.217896
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-57.2000008
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	35.2165909
k_TrqLOA_FallingRampRate_UlspS_f32	-665.315002
k_TrqLOA_LatAccConversionFactor_Uls_f32	3.95698261
k_TrqLOA_LimOutput_MtrNm_f32	2.75277615
k_TrqLOA_MaxScaleFactor_Uls_f32	0.694187999
k_TrqLOA_MinScaleFactor_Uls_f32	1
k_TrqLOA_RigingPompReto_LllopS_f23	8.71295547
k_TrqLOA_RisingRampRate_UlspS_f32	72.5325775 48.5321007
k_TrqLOA_SteerRatio_UIs_f32	
k_TrqLOA_Wheelhees_M_f32	0.25 19.8064346
k_TrqLOA_Wheelbase_M_f32 t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	19.0004340
t2_frqLOA_biffGainY_Uls_u1p15[0][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	13107
t2_TrqLOA_DiffGainY_UIs_u1p15[1][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	13107
t_TrqLOA_DiffGainX_G_u2p14[0]	5079
t_TrqLOA_DiffGainX_G_u2p14[1]	6062
t_TrqLOA_DiffGainX_G_u2p14[2]	6390
t_TrqLOA_DiffGainX_G_u2p14[3]	6554
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	3520
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	3840
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	4160





Name	Input Value		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	4800		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	3277		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	6554		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	9830		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	13107		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	16384		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	36864		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	37683		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	40960		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	41779		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	45056		
t TrqLOA LatAccGain Y MtrNmpG u4p12[5]	45875		
t TrqLOA LatAccGain Y MtrNmpG u4p12[6]	49152		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	49971		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	5734		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	10650		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	15974		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	16794		
t TrqLOA TempTrqCmdSatYTbl MtrNm u4p12[4]	19251		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	20890		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	22938		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	24166		
t_TrqLOA_X_Kph_u10p6[0]	1088		
t TrqLOA X Kph u10p6[1]	1152		
t_TrqLOA_X_Kph_u10p6[2]	1216		
t_TrqLOA_X_Kph_u10p6[3]	1280		
	1344		
t_TrqLOA_X_Kph_u10p6[4]			
t_TrqLOA_X_Kph_u10p6[5]	1408		
t_TrqLOA_X_Kph_u10p6[6]	1472		
t_TrqLOA_X_Kph_u10p6[7]	1536	III- 100	
target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthority_	_	
target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecSq_f32		
target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_LatAccelValid_Cnt_Igc	target_TrqLOA_Per1_LatAccelValid_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_Igc	target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_HwDeg_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOAAvail_Cnt_Igo		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_MtrNm_		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc	target_TrqLOA_Per1_VehicleSpeedValid_C		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpeed_Kph_f3	32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	1		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	2.87261653		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	0		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	829.04834		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-375.864563		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	126.835663		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.885599971	0.88560003	•
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.192544758	0.192544758 ± 0.01	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	•
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-0.701994181	-0.701994181 ± 0.01	٠,
target TrqLOA Per1 TrqLOAAvail Cnt Igc.value	1	1	
target TrgLOA Per1 TrqLOACmd MtrNm f32.value	0	0 ± 0.01	

Test Step 3.9 (Repeat Count = 1)		✓
Name	Input Value	
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA	
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.505558729	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.25	
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0205000006	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	4.91599369	
TrqLOA_TloaCmd_MtrNm_M_f32	-0.5	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-1.51502144	
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	4.62375116	
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	245.138199	
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-41.4325523	
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	75.942955	
k_TrqLOA_FallingRampRate_UlspS_f32	-920.135132	

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Name	Input Value
k_TrqLOA_LatAccConversionFactor_Uls_f32	4.55265713
k TrgLOA LimOutput MtrNm f32	5.21092319
k_TrqLOA_MaxScaleFactor_Uls_f32	0.378737688
k_TrqLOA_MinScaleFactor_Uls_f32	1
k_TrqLOA_NomDrvTrq_MtrNm_f32	8.80000019
k_TrqLOA_RisingRampRate_UlspS_f32	350.725677
k_TrqLOA_SteerRatio_Uls_f32	83.0911789
k_TrqLOA_UndersteerGrad_RadpG_f32	0.25
k_TrqLOA_Wheelbase_M_f32	9.46714211
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	4915
t2_TrqLOA_DiffGainY_UIs_u1p15[0][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	2458 4915
t2_TrqLOA_DiffGainY_UIs_u1p15[1][2]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3] t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	655
t2_TrqLOA_DiffGainY_UIs_u1p15[2][1]	2458
t2_TrqLOA_DiffGainY_UIs_u1p15[2][2]	4915
t2 TrqLOA DiffGainY Uls u1p15[2][3]	6226
t2_TrqLOA_DiffGainY_UIs_u1p15[3][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	2458
t2_TrqLOA_DiffGainY_UIs_u1p15[5][2]	4915
t2_TrqLOA_DiffGainY_UIs_u1p15[5][3]	6226
t2_TrqLOA_DiffGainY_UIs_u1p15[6][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	655
t2_TrqLOA_DiffGainY_UIs_u1p15[7][1]	2458
t2_TrqLOA_DiffGainY_UIs_u1p15[7][2]	4915
t2_TrqLOA_DiffGainY_UIs_u1p15[7][3]	6226 10486
t_TrqLOA_DiffGainX_G_u2p14[0]	11469
t_TrqLOA_DiffGainX_G_u2p14[1] t_TrqLOA_DiffGainX_G_u2p14[2]	12780
t TrqLOA_DiffGainX_G_u2p14[3]	16384
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	320
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	640
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	960
t TrqLOA HighSpeedTrqBlend X Kph u10p6[3]	1280
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	1600
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	6554
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	16384
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	19661
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	53248
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	54067
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	56115
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	56934
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	58163
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	60211
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	60621
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	61030
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	5734
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	10650
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	15974
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	16794
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	19251
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	20890 22938
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6] t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	24166
t_IrqLOA_1emp1rqCmdSatY1bl_MtrNm_u4p12[/] t_TrqLOA_X_Kph_u10p6[0]	7744
t_TrqLOA_X_Kph_u10p6[1]	7808
Cudeo CyCubuTatobolil	1.000

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Name	Input Value			
t_TrqLOA_X_Kph_u10p6[2]	7872			
t_TrqLOA_X_Kph_u10p6[3]	7936			
t_TrqLOA_X_Kph_u10p6[4]	8000			
t_TrqLOA_X_Kph_u10p6[5]	8064			
t_TrqLOA_X_Kph_u10p6[6]	8128			
t_TrqLOA_X_Kph_u10p6[7]	8192			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAutho	ority_Uls_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecS	q_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelValid_C	nt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMtgtnE	En_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrF	RadpS_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_HwD	eg_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc	target_TrqLOA_Per1_TrqLOAAvail_Cr	target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_Mt	target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSpeedVa	target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpeed_K	target_TrqLOA_Per1_VehicleSpeed_Kph_f32		
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	1			
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-6.5			
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	1			
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1			
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-326.482697			
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	357.54599			
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1			
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	155.51593			
Name	Actual Value	Expected Value	Result	
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.42269361	0.42269361	~	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.250011116	0.250011116 ± 0.01	~	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	~	
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	~	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-0.813570082	-0.813570082 ± 0.01	~	
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	~	
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0	0 ± 0.01	~	

Test Step 3.10 (Repeat Count = 1) Name	Input Value
	·
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.774724126
TrqLOA_LatAccelSV_g_M_Str.SV_UIs_f32	0.100000001
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.048999987
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-7.1575346
TrqLOA_TloaCmd_MtrNm_M_f32	-6
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	2
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	3.2461462
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	481.298553
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-65.9383087
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	81.4572144
k_TrqLOA_FallingRampRate_UlspS_f32	-945.174316
k_TrqLOA_LatAccConversionFactor_Uls_f32	10
k_TrqLOA_LimOutput_MtrNm_f32	5.79835415
k_TrqLOA_MaxScaleFactor_Uls_f32	1
k_TrqLOA_MinScaleFactor_Uls_f32	0.219910979
k_TrqLOA_NomDrvTrq_MtrNm_f32	5.00554752
k_TrqLOA_RisingRampRate_UlspS_f32	222.336975
k_TrqLOA_SteerRatio_Uls_f32	90.237648
k_TrqLOA_UndersteerGrad_RadpG_f32	0.25
k_TrqLOA_Wheelbase_M_f32	7.58481121
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	4915

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Name	Input Value
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	2458 4915
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2] t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	6226 328
t_TrqLOA_DiffGainX_G_u2p14[0] t TrqLOA DiffGainX G_u2p14[1]	1229
t_TrqLOA_DiffGainX_G_u2p14[2]	2458
t_TrqLOA_DiffGainX_G_u2p14[3]	3113
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	16320
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	16640
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	16960
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	17280
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	17600
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	0
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	0
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	0
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3] t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	0
t_TrqLOA_tatAccGain_Y_MtrNmpG_u4p12[0]	36864
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	37683
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	40960
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	41779
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	45056
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	45875
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	49152
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	49971
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0] t TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	8192 14336
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	18432
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	18022
t TrqLOA TempTrqCmdSatYTbl MtrNm u4p12[4]	21709
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	23347
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	26624
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	26624
t_TrqLOA_X_Kph_u10p6[0]	10816
t_TrqLOA_X_Kph_u10p6[1]	10880
t_TrqLOA_X_Kph_u10p6[2]	10944 11008
t_TrqLOA_X_Kph_u10p6[3] t_TrqLOA_X_Kph_u10p6[4]	11008
t_TrqLOA_X_Kph_u10p6[5]	11136
t_TrqLOA_X_Kph_u10p6[6]	11200
t_TrqLOA_X_Kph_u10p6[7]	11264
target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecSq_f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_Igc	target_TrqLOA_Per1_LatAccelValid_Cnt_lgc
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_HwDeg_f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32
target_Rte_inst_Ap_TrqLOA.TrqLOA_Per1_rrqLOAOmid_withvin_isz target_Rte_inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc	target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc
target Rte Inst Ap TrqLOA.TrqLOA Per1 VehicleSpeed Kph f32	target_TrqLOA_Per1_VehicleSpeed_Kph_f32
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	1
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-6.53060865
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	
m.goq_o o	188.256973
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	179.700195

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Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.642847538	0.642847478	✓
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.101530932	0.101530932 ± 0.01	✓
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	✓
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	✓
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.219910979	0.219910979 ± 0.01	✓
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	✓
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0	0 ± 0.01	✓

Test Step 3.11 (Repeat Count = 1)	
Name	Input Value
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA
TrqLOA_LatAccScaleFactor_Uls_M_f32	1
TrqLOA_LatAccelSV_g_M_Str.SV_UIs_f32	0.670000017
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.714999974
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	8.8000019
TrqLOA_TloaCmd_MtrNm_M_f32	8.80000019
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	2 10
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	1000
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32 k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	0
k TrqLOA_DiffScaleRateLimiterFailing_UispS_i32	100
k_TrqLOA_billogRampRate_UlspS_f32	0
k_TrqLOA_LatAccConversionFactor_Uls_f32	10
k_TrqLOA_LimOutput_MtrNm_f32	8.80000019
k_TrqLOA_MaxScaleFactor_Uls_f32	1
k_TrqLOA_MinScaleFactor_Uls_f32	1
k TrqLOA NomDrvTrg MtrNm f32	8.80000019
k_TrqLOA_RisingRampRate_UlspS_f32	1000
k_TrqLOA_SteerRatio_Uls_f32	100
k_TrqLOA_UndersteerGrad_RadpG_f32	0.25
k_TrqLOA_Wheelbase_M_f32	20
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	32768 32768
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1] t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	32768
t2_frqLOA_biliGainY_bis_bfp15[6][2] t2_frqLOA_biffGainY_bis_bfp15[6][3]	32768
t2_TrqLOA_DillGainY_Ois_u1p15[6][3] t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	32768
t2_ffqLOA_billGainf_bis_dfp16[7][0] t2_frqLOA_biffGainf_bis_dfp15[7][1]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[7][7] t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	32768
t2_TrqLOA_DiliGain1_Dis_u1p15[7][2] t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	32768
t_TrqLOA_DiffGainX_G_u2p14[0]	32768
t_TrqLOA_DiffGainX_G_u2p14[1]	32768
t_TrqLOA_DiffGainX_G_u2p14[1]	32768
t_TrqLOA_DiffGainX_G_u2p14[3]	32768
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	25600
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	25600
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	25600
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	25600

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Name	Input Value		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	25600		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	32768		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	32768		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	32768		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	32768		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	32768		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	61440		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	61440		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	61440		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	61440		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	61440		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	61440		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	61440		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	61440		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	36045		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	36045		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	36045		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	36045		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	36045		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	36045		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	36045		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	36045		
t_TrqLOA_X_Kph_u10p6[0]	25600		
t TrgLOA X Kph u10p6[1]	25600		
t_TrqLOA_X_Kph_u10p6[2]	25600		
t_TrqLOA_X_Kph_u10p6[3]	25600		
t_TrqLOA_X_Kph_u10p6[4]	25600		
t TrqLOA X Kph u10p6[5]	25600		
t_TrqLOA_X_Kph_u10p6[6]	25600		
t_TrqLOA_X_Kph_u10p6[7]	25600		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_Handwhe	eelAuthority Uls f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_N		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelValid_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_Igc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPo		
target Rte Inst Ap TrqLOA.TrqLOA Per1 TrqLOAAvail Cnt Igc	target_TrqLOA_Per1_TrqLOAA		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOAC		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleS		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleS		
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	1	pood_, .p.n_, o2	
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	10		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	2000		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	1000		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target TrqLOA Per1 VehicleSpeed Kph f32.value	511		
Name	Actual Value	Expected Value	Result
TrgLOA LatAccScaleFactor Uls M f32	1	1	Result
TrqLOA_LatAccelSV_g_M_Str.SV_UIs_f32 TrqLOA_ScaladMtrTrqCmd_MtrbIm_M_f32	0.671402872 1.27943039	0.671402872 ± 0.01	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32		1.2794311 ± 0.01 1.2794311 ± 0.01	
TrqLOA_TloaCmd_MtrNm_M_f32 TrqLOA_TraBeacdScaleFeater_Llle_M_f32	1.27943039		
TrqLOA_TrqBasedScaleFactor_Uls_M_f32 target TrqLOA Per1 TrqLOAAvail Cnt lqc.value	0	2 ± 0.01	
target_rrqLOA_Perr_rrqLOAAvair_Crit_igc.value	U	0	•

Test Step 3.12 (Repeat Count = 1)		✓
Name	Input Value	
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA	
TrqLOA_LatAccScaleFactor_Uls_M_f32	1	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.300000012	
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0149999997	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-6.72275496	
TrqLOA_TloaCmd_MtrNm_M_f32	-6	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	2	
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	2.17499852	
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	347.261871	
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-44.840065	
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	86.2324982	
k_TrqLOA_FallingRampRate_UlspS_f32	-756.371094	

1.27943039

1.2794311 ± 0.01

 $target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value$

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Name	Input Value
k_TrqLOA_LatAccConversionFactor_Uls_f32	1.3288663
k_TrqLOA_LimOutput_MtrNm_f32	0.718581259
k TrgLOA MaxScaleFactor Uls f32	0.774256825
k_TrqLOA_MinScaleFactor_Uls_f32	0.954615474
k_TrqLOA_NomDrvTrq_MtrNm_f32	0.232903108
k_TrqLOA_RisingRampRate_UlspS_f32	62.9472733
k_TrqLOA_SteerRatio_Uls_f32	96.6698685
k_TrqLOA_UndersteerGrad_RadpG_f32	0.25
k_TrqLOA_Wheelbase_M_f32	17.6621571
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	19333
t2_TrqLOA_DiffGainY_UIs_u1p15[0][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	19333 21299
t2_TrqLOA_DiffGainY_UIs_u1p15[1][2]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3] t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	17367
t2_TrqLOA_DiliGainY_Uls_u1p15[2][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	19333
t2_TrqLOA_biffGainY_Uls_u1p15[3][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	26214
t_TrqLOA_DiffGainX_G_u2p14[0] t TrqLOA DiffGainX G u2p14[1]	8684 9667
t_TrqLOA_DiffGainX_G_u2p14[2]	10650
t_TrqLOA_DiffGainX_G_u2p14[3]	13107
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	6720
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	7040
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	7360
t TrqLOA HighSpeedTrqBlend X Kph u10p6[3]	7680
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	8000
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	3277
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	6554
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	16384
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	4096
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	4915
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	8192
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	9011
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	12288
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	13107
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	16384
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	17203
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	7373
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	13107
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	17613
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	17613
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	20890
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	22528 25395
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6] t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	25805
t_IrqLOA_Temp1rqCmdSatY1bi_mtrNm_u4p12[7] t_TrqLOA_X_Kph_u10p6[0]	2112
t_TrqLOA_X_Kph_u10p6[1]	2176
Cudeov Cv Juhii a roboful	EIIV





Name	Input Value		
t_TrqLOA_X_Kph_u10p6[2]	2240		
t_TrqLOA_X_Kph_u10p6[3]	2304		
t_TrqLOA_X_Kph_u10p6[4]	2368		
t_TrqLOA_X_Kph_u10p6[5]	2432		
t_TrqLOA_X_Kph_u10p6[6]	2496		
t_TrqLOA_X_Kph_u10p6[7]	2560		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthority	_Uls_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecSq_f3	32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelValid_Cnt_I	gc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMtgtnEn_0	Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrRad	oS_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_HwDeg_	<u>f</u> 32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOAAvail_Cnt_lg	c	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_MtrNm	_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSpeedValid_	Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpeed_Kph_f32		
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0.603896022		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	6.27994013		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	0		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	143.502243		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	1000		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	469.321564		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.910319865	0.910319865	~
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.305908352	0.305908352 ± 0.01	✓
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	1.16507566	1.16507542 ± 0.01	✓
TrqLOA_TloaCmd_MtrNm_M_f32	0.718581259	0.718581259 ± 0.01	✓
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.954615474	0.954615474 ± 0.01	✓
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	~
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0.718581259	0.718581259 ± 0.01	✓

TrqLOA_Init1

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Project	TrqLOA
Module	TrqLOA
Test Object	TrqLOA_Init1

Instrumentation: Test Object Only

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

Statistics

Total Testcases	1	
Successful	1	~
Failed	0	
Not Executed	0	

Module Properties

Project Root Directory	D:\Synergy_Work_Area\TrqLOA_SF48A
Configuration File	\$(PROJECTROOT)\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)\TrqLOA\src\Ap_TrqLOA.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -I\$(PROJECTROOT)\TrqLOA\utp\Contract -I\$(PROJECTROOT)\TrqLOA\utp\Contract\Ap_TrqLOA -I\$ (PROJECTROOT)\StdDef\underlinclude -I\$(PROJECTROOT)\NxtrLib\underlinclude -I\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler \tms470_4.9.5\underlinclude
File	\$(PROJECTROOT)\NxtrLib\src\interpolation.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -I\$(PROJECTROOT)\TrqLOA\utp\Contract -I\$(PROJECTROOT)\TrqLOA\utp\Contract\Ap_TrqLOA -I\$ (PROJECTROOT)\StdDef\underlinclude -I\$(PROJECTROOT)\NxtrLib\\underlinclude -I\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler \tms470_4.9.5\\underlinclude

Attributes	
Name	Value
Compiler Install Path	\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5
Float Precision	9
InitObjDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj
InitSrcDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src
Linker File	\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd
Makefile Template	\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570_ps.tpl
Target Install Path	\$(ProgramFiles)\pls\UDE 3.2
Time Unit	Cycles
Timer Enabled	false
Timer Prescale	0
Timer Resolution	1
UDE Config File	\$(PROJECTROOT)\UnitTestEnv\config\TMS570_UDE_12PIN_JTAG.cfg

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Workspace File D:\Synergy_Work_Area\TrqLOA_SF48A\UnitTestEnv\config\UDE_TMS570_DEBUG.WSP

Comments/Descriptio	n/Specification
Name	Text
Module 'TrqLOA'	Name of Tester: Priti Mangalekar Code File(s) Under Test: Ap_TrqLOA.c Code File(s) Version: 2 Module Design Document: TrqLOA_MDD.doc Module Design Document Version: 2 Data Dictionary Version: 3 Unit Test Plan Version: 1 Optimization Level: Level 2 Compiler (CodeGen) Version: TMS470_4.9.5 Model Type: Excel Macro Model Version: Nexteer EPS Unit Test Tool 2.7d/ EPS Library 1.32 Total FLASH Used (Bytes): 1378 Total RAM Used (Bytes): 52 Total CALS Used (Bytes): 204 Special Test Requirements: Test Date: 6/23/2015 Comments: "NOTE1: Inline function defined in ""GlobalMacro.h"" are not unit tested. NOTE2: ""CBD_Sandbox_dbg.map"" map file is embedded for reference."



Test Case 1: Boundary Test

Specification

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

CPU Cycles:

TS1.1 111 Cycles TS1.2 113 Cycles TS1.3 110 Cycles TS1.4 112 Cycles TS1.5 110 Cycles TS1.6 110 Cycles TS1.7 110 Cycles TS1.8 112 Cycles

Description Vector Description:

TS1.1All Min

TS1.1All Min
TS1.2All Max
TS1.3k_TrqLOA_LPF_Hz_f32=Min
TS1.4k_TrqLOA_LPF_Hz_f32=Max
TS1.5k_TrqLOA_LPF_Hz_f32=Mid
TS1.6TrqLOA_LatAccelSV_g_M_Str.K=Min
TS1.7TrqLOA_LatAccelSV_g_M_Str.K=Max
TS1.8TrqLOA_LatAccelSV_g_M_Str.K=Mid

Test Step 1.1 (Repeat Count = 1)			✓
Name	Input Value		
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.00125584798		
k_TrqLOA_LPF_Hz_f32	0.100000001		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.00125586987	0.00125584798 ± 0.01	~

Test Step 1.2 (Repeat Count = 1)			✓
Name	Input Value		
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.956786096		
k_TrqLOA_LPF_Hz_f32	250		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.956786096	0.956786096 ± 0.01	✓

Test Step 1.3 (Repeat Count = 1)			✓
Name	Input Value		
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0149999997		
k_TrqLOA_LPF_Hz_f32	0.10000001		
Name	Actual Value	Expected Value	Result
TrgLOA LatAccelSV g M Str.K Uls f32	0.00125586987	0.00125584798 ± 0.01	✓

Test Step 1.4 (Repeat Count = 1)			✓
Name	Input Value		
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.25		
k_TrqLOA_LPF_Hz_f32	250		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.956786096	0.956786096 ± 0.01	~

Test Step 1.5 (Repeat Count = 1)			✓	
Name	Input Value			
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.5			
k_TrqLOA_LPF_Hz_f32	125.5	125.5		
Name	Actual Value	Expected Value	Result	
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.79342252	0.793422461 ± 0.01	~	

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TrqLOA_Init1

Test Step 1.6 (Repeat Count = 1)				
Name	Input Value			
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.00125584798			
k_TrqLOA_LPF_Hz_f32	2			
Name	Actual Value	Expected Value	Result	
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0248195529	0.0248195436 ± 0.01	~	

Test Step 1.7 (Repeat Count = 1)			✓
Name	Input Value		
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.956786096		
k_TrqLOA_LPF_Hz_f32	10		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.118088603	0.118088625 ± 0.01	~

Test Step 1.8 (Repeat Count = 1)			✓
Name	Input Value		
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.349999994		
k_TrqLOA_LPF_Hz_f32	100		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.715390444	0.715390444 ± 0.01	~