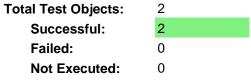
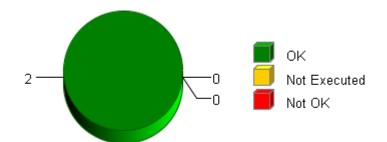


Summary

Overall Test Object Results (including Coverage)



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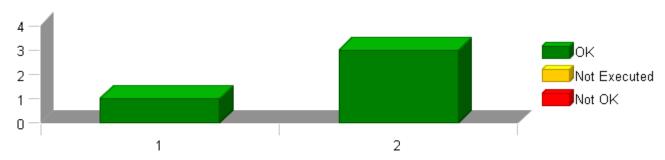
Selected Project Items

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

Used Test Environments

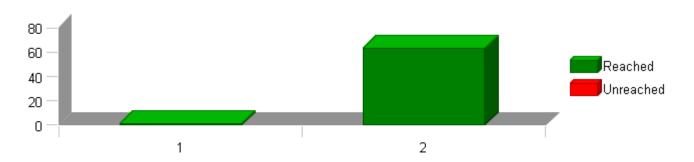
TI TMS 570 PLS UDE (Default)

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).

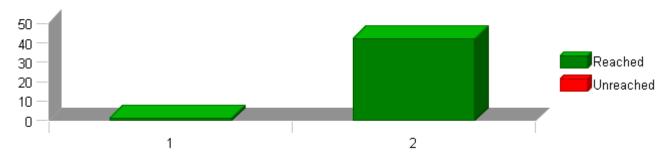
Statement (C0) Coverage: Total Statements for Each Test Object





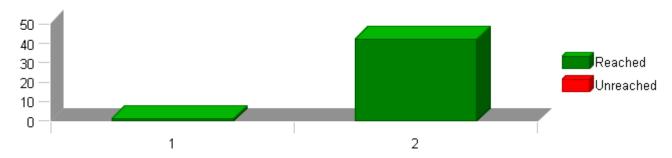
The table above shows each test object on the x axis and the number of statements of the respective test object on the y axis. Each bar is divided into reached statements (i.e. statements that have been executed during the test) and unreached statements.

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.

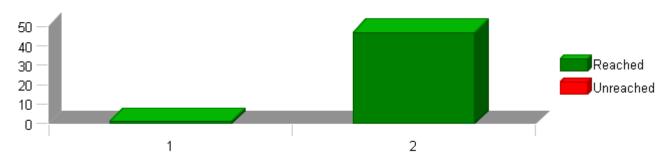
Decision Coverage: Total Decision Outcomes for Each Test Object



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

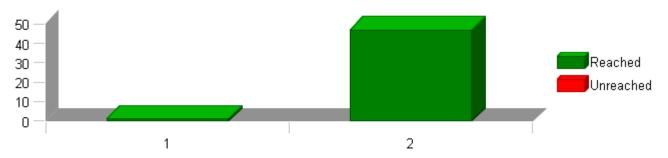


The table above shows test objects on the x axis and the number of condition combinations of all decisions of the respective test object on the y axis. The number of condition combinations is based on the number of boolean conditions within each decision of the test object. To achieve full MC/DC coverage,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

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

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

No.	Name	C0	C1	DC	MC/DC	МСС	Test Cases Re	esult
	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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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\unclude -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.tpl		
Target Install Path	\$(ProgramFiles)\pls\UDE 3.2		
Time Unit	Cycles		
Timer Enabled	false		
Timer Prescale	0		
Timer Resolution	1		
IIDE Config File	\$(DPOJECTPOOT)\InitTestEnv\config\TMS570 IDF 12DIN JTAG cfg		

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

Comments/Description	n/Specification
Name	Text
Name Module 'TrqLOA'	Text 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: Nater 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
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.00125586987	0.00125584798 ± 0.01	•

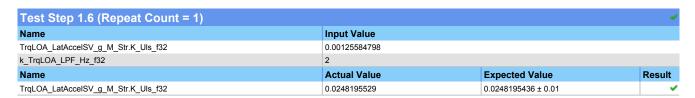
Test Step 1.4 (Repeat Count = 1)			~
Name	Input Value		
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.25		
k_TrqLOA_LPF_Hz_f32	250		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.956786096	0.956786096 ± 0.01	~

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		
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 1.7 (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	~

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\underlinclude -I\$(PROJECTROOT)\NxtrLib\\underlinclude -I\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler \tms470_4.9.5\\underlinclude

Attributes	
Name	Value
Compiler Install Path	<pre>\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5</pre>
Float Precision	9
InitObjDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj
InitSrcDir	<pre>\$(PROJECTROOT)\UnitTestEnv\static_build_files\src</pre>
Linker File	<pre>\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd</pre>
Makefile Template	<pre>\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570.tpl</pre>
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





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

Comments/Description	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): 52 Total FLASH 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

Description

Vector 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
TrgLOA LatAccelSV g M Str.SV UIs f32	0.200000003
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0140000004
TrgLOA ScaledMtrTrgCmd 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_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_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_UIs_u1p15[6][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	12124
t2_TrqLOA_DiffGainY_UIs_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

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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		
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	/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_	_HwDegf32	
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	ed_Kph_f32	
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	0.399993896	0.399993896	•
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.192544758	0.192544758	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0	•
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	•
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.5	0.5	•
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	1	1	•
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0	0 ± 0.01	

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	





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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Name	Input Value		
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_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_LatAccelVal	lid_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_VehicleSpe	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	0	•
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.513088524	0.513088584	•
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0 0		

0.200000003

0

0

0.200000003

0

0

TrqLOA_TloaCmd_MtrNm_M_f32

TrqLOA_TrqBasedScaleFactor_Uls_M_f32 target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value

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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
TS2.97 648 Cycles
TS2.98 675 Cycles
TS2.98 675 Cycles
TS2.99 672 Cycles
TS2.100 677 Cycles
TS2.101 731 Cycles
TS2.101 731 Cycles
TS2.102 700 Cycles
TS2.103 718 Cycles
TS2.104 806 Cycles
TS2.105 695 Cycles
TS2.106 713 Cycles
TS2.107 736 Cycles
TS2.107 736 Cycles
TS2.108 730 Cycles

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TS2.109 712 Cycles
TS2.110 714 Cycles
TS2.111 736 Cycles
TS2.111 736 Cycles
TS2.112 741 Cycles
TS2.113 729 Cycles
TS2.114 804 Cycles
TS2.115 719 Cycles
TS2.115 719 Cycles
TS2.117 713 Cycles
TS2.117 713 Cycles
TS2.117 713 Cycles
TS2.117 713 Cycles
TS2.112 708 Cycles
TS2.112 708 Cycles
TS2.121 712 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
TS2.131 725 Cycles
TS2.132 707 Cycles
TS2.133 740 Cycles
TS2.135 702 Cycles
TS2.136 740 Cycles
TS2.137 700 Cycles
TS2.138 732 Cycles
TS2.138 732 Cycles
TS2.139 740 Cycles
TS2.137 700 Cycles
TS2.137 725 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
TS2.33K_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 TS2.70k_TrqLOA_RisingRampRate_UlspS_f32==>Min 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
TS2.73t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[5]==>Max
TS2.75t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[5]==>Pos
TS2.75t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[5]==>Pos
TS2.77t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[5]==>Min
TS2.77t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[5]==>Mix
TS2.78t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[5]==>Pos TS2.79t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[8]==>Min IS2.79_IrqLOA_IempIrqCmdSatY1bl_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



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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
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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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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_Uls_u1p15[5][2]	0
t2_TrqLOA_DiffGainY_UIs_u1p15[5][3]	0
t2_TrqLOA_DiffGainY_UIs_u1p15[6][0]	0
t2_TrqLOA_DiffGainY_UIs_u1p15[6][1]	0
t2_TrqLOA_DiffGainY_UIs_u1p15[6][2]	0
t2_TrqLOA_DiffGainY_UIs_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]	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]	0
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	0
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	0
t_TrqLOA_Y_Kph_u10p6[0]	0
t_TrqLOA_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 TrqLOA Per1 HandwheelAuthority Uls f32
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_TrqLOA_Per1_LatAcc_MpSecSq_f32 target_TrqLOA_Per1_LatAccelValid_Cnt_lgc
target_Rte_inst_Ap_TrqLOA.TrqLOA_Per1_LatAcceivalid_Crit_igc target_Rte_inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_igc	target_TrqLOA_Per1_LatAccelvalid_Crit_lgc target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc
target_Rte_inst_Ap_TrqLOA_rrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	wigot_rigeor_i or_morgeomigaten_ont_igo

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TrqLOA_Per1

Name	Input Value	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	•	

Test Step 2.2 (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	0.670000017
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
k TrqLOA AbsAssistThreshold MtrNm f32	10
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	1000
k TrqLOA DiffScaleRateLimiterFalling UlspS f32	0
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	100
k_TrqLOA_FallingRampRate_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 NomDrvTrq 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_UIs_u1p15[4][1]	32768
t2_TrqLOA_DiffGainY_UIs_u1p15[4][2]	32768
t2_TrqLOA_DiffGainY_UIs_u1p15[4][3]	32768
t2_TrqLOA_DiffGainY_UIs_u1p15[5][0]	32768
t2_TrqLOA_DiffGainY_UIs_u1p15[5][1]	32768
t2_TrqLOA_DiffGainY_UIs_u1p15[5][2]	32768
t2_TrqLOA_DiffGainY_UIs_u1p15[5][3]	32768
t2_TrqLOA_DiffGainY_UIs_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]	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_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]	25600
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	25600

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TrqLOA_Per1

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]	
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	32768





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_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]	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
	17613
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	19251

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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_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	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 Exped	cted Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.787930906 0.78793	30906	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.127424985 0.12742	24985 ± 0.01	•
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0.465865254 0.46586	65254 ± 0.01	•
TrqLOA_TloaCmd_MtrNm_M_f32	0.465865254 0.46586	65254 ± 0.01	•
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.21500051 0.21500	0051 ± 0.01	•
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0 0		•
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0.465865254 0.46586	65254 ± 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	0.150000006
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
<pre>x_TrqLOA_AbsAssistThreshold_MtrNm_f32</pre>	9.01481533
<pre><_TrqLOA_AbsVelThreshold_MtrRadpS_f32</pre>	479.457977
x_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-27.0471287
x_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	59.5514755
x_TrqLOA_FallingRampRate_UlspS_f32	-645.648438
<pre><_TrqLOA_LatAccConversionFactor_Uls_f32</pre>	8.51897812
<_TrqLOA_LimOutput_MtrNm_f32	1.56783617
<pre><_TrqLOA_MaxScaleFactor_Uls_f32</pre>	1
<pre><_TrqLOA_MinScaleFactor_Uls_f32</pre>	0.791850328
k_TrqLOA_NomDrvTrq_MtrNm_f32	8.80000019
<pre><_TrqLOA_RisingRampRate_UlspS_f32</pre>	618.79248
<pre><_TrqLOA_SteerRatio_Uls_f32</pre>	37.3851547
<pre><_TrqLOA_UndersteerGrad_RadpG_f32</pre>	0.0208133459
<_TrqLOA_Wheelbase_M_f32	7.83032274
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

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Name	Input Value
t2_TrqLOA_DiffGainY_UIs_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]	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 3200
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 16384
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	20480
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	21299
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	24576 25395
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	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 TrgLOA TempTrgCmdSatYTbl MtrNm u4p12[0]	4915
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	9421
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	15155
t TrgLOA TempTrgCmdSatYTbl MtrNm u4p12[3]	16384
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	18432
t TrgLOA TempTrgCmdSatYTbl MtrNm u4p12[5]	20070
t TrgLOA TempTrgCmdSatYTbl 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 TrgLOA X Kph u10p6[3]	768
t_TrqLOA_X_Kph_u10p6[4]	832
t_TrqLOA_X_Kph_u10p6[5]	896
t TrgLOA X Kph u10p6[6]	960
t_TrqLOA_X_Kph_u10p6[7]	1024
target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_HandwheelAuthority_Uls_f32	target TrgLOA 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_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	0.305431128
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0
	0
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	0
target_IrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_igc.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_Uls_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_Handwhee	elAuthority 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_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			
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	2.87261653			
target TrqLOA Per1 LatAccelValid Cnt Igc.value	1			
target TrqLOA Per1 MotAqLoaMtgtnEn 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			
		Evenante d Value	D	
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		
target Trol OA Per1 Trol OAAvail Cot loc value	1	1		

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] 15. 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] 15.	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 8. 3. TrqLOA_UndersteerGrad_RadpG_f32 0. 4. 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.	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] 11 2_TrqLOA_DiffGainY_UIs_u1p15[0][3] 19 2_TrqLOA_DiffGainY_UIs_u1p15[1][0] 11 2_TrqLOA_DiffGainY_UIs_u1p15[1][1] 19 2_TrqLOA_DiffGainY_UIs_u1p15[1][1] 19 2_TrqLOA_DiffGainY_UIs_u1p15[1][2] 11 2_TrqLOA_DiffGainY_UIs_u1p15[1][3] 19	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] 10 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

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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_HandwheelAuthority	/_Uls_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecSq_t	32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelValid_Cnt_	<u>lgc</u>	
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_MtrRac	pS_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_I	gc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_MtrNr	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	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_lgc.value	0	0	
target TrqLOA Per1 TrqLOACmd MtrNm f32.value	-2.49504423	-2.49504447 ± 0.01	٠,

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	0.300000012
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
k_TrqLOA_LatAccConversionFactor_Uls_f32	1.32888663
k_TrqLOA_LimOutput_MtrNm_f32	0.718581259
k_TrqLOA_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_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
2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	17367
2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	21299
t2 TrgLOA 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_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]	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_TrqLOA.TrqLOA_Peri_TrqLOAAvaii_Cnt_igc target_Rte_inst_Ap_TrqLOA.TrqLOA_Peri_TrqLOACmd_MtrNm_f32	target_IrqLOA_Peri_IrqLOAAvaii_Cnt_igc target_TrqLOA_Peri_TrqLOACmd_MtrNm_f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_IrqLOACmd_MtrNm_r32 target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	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

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TrqLOA_Per1



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	✓

Name	Input Value	
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA	
FrqLOA_LatAccScaleFactor_Uls_M_f32	0.935303211	
FrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.34999994	
FrqLOA_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	
C_TrqLOA_AbsAssistThreshold_MtrNm_f32	5.13476944	
C_TrqLOA_AbsVelThreshold_MtrRadpS_f32	565.453003	
c_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-79.9842224	
C_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	55.5632286	
C_TrqLOA_FallingRampRate_UlspS_f32	-646.1427	
C_TrqLOA_LatAccConversionFactor_Uls_f32	0.968328416	
C_TrqLOA_LimOutput_MtrNm_f32	7.56691027	
TrqLOA_MaxScaleFactor_Uls_f32	0.38239193	
rqLOA_MinScaleFactor_Uls_f32	1	
_TrqLOA_NomDrvTrq_MtrNm_f32	8.75238705	
C_TrqLOA_RisingRampRate_UlspS_f32	693.429382	
C_TrqLOA_SteerRatio_Uls_f32	49.4194031	
:_TrqLOA_UndersteerGrad_RadpG_f32	0.25	
c_TrqLOA_Wheelbase_M_f32	18.5747547	
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_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	
2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	2458	
2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	4915	
2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	6226	
2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	655	
2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	2458	
2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	4915	
2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	6226	
_TrqLOA_DiffGainX_G_u2p14[0]	10486	
_TrqLOA_DiffGainX_G_u2p14[0]	11469	
_TrqLOA_DiffGainX_G_u2p14[1] _TrqLOA_DiffGainX_G_u2p14[2]	12780	
	16384	
TrqLOA_DiffGainX_G_u2p14[3]	10304	





TrqLOA_LatAccScaleFactor_Uls_M_f32 0.775334775 0.775334775 TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32 0.349366665 0.349372685 ± 0.01 TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32 0 0 ± 0.01 TrqLOA_TrqBasedScaleFactor_Uls_M_f32 0 0 ± 0.01 TrqLOA_TrqBasedScaleFactor_Uls_M_f32 1 1 ± 0.01	Name	Input Value		
LTRG O.A. JughtSpeedTigalient X, Kiry. u1969[3] 5800	t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	8320		
LTRIG (DA. High-Spectfreitherd X, Keh. u10603) 9260	t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	8640		
LTRICO, A High Spectfrighted Y, Us, up 1915 9 5277	t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	8960		
LTROLON_HighSpectTrollend Y_Us_up1s150]	t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	9280		
LTPGLOA_HighSpectTrollend Y_UB_utp15[2] 9596 LTPGLOA_HighSpectTrollend Y_UB_utp15[2] 9590 LTPGLOA_HighSpectTrollend Y_UB_utp15[2] 15077 LTPGLOA_HighSpectTrollend Y_UB_utp15[3] 15078 LTPGLOA_HighSpectTrollend Y_UB_utp15[3] 15097 LTPGLOA_HighSpectTrollend Y_UB_utp15[3] 25490 LTPGLOA_HighSpectTrollend Y_UB_utp15[3] 25490 LTPGLOA_HighSpectTrollend Y_UB_utp15[3] 25490 LTPGLOA_HighSpectTrollend Y_UB_utp15[3] 25491 LTPGLOA_HighSpectTrollend Y_UB_utp15[3] 14382 LTPGLOA_HighSpectTrollend Y_UB_utp15[3] 14382 LTPGLOA_HighSpectTrollend Y_UB_utp15[3] 14382 LTPGLOA_TempTroCrosSarVTU_Minnu_utp15[3] 15022 LTPGLOA_TempTroCrosSarVTU_Minnu_utp15[3] 23497	t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	9600		
LTRICOA - High-SpeedTrigBeid Y, July Lut 1918 9830 13107 13	t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	3277		
Trail CA - High Speed Traillend Y _ Life _ Life 16394	t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	6554		
TrqLOA_LapkspeetTrqBind_Y_MithmpG_uptp2[0] 16984	t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	9830		
LTrig CA Lankeccian Y, Minhrip G, upt 219	t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	13107		
TrigLOA_LabAccSain V_Mirhmgo_usp12[1] 21299	t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	16384		
TriclOA_LabAccGain_Y_MirkmpG_u4p123	t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	20480		
LTINGLA LabAccSain \(\) Minhing \(\) \(\) \(\) \(t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	21299		
LTrq.LOA_LatAccGain_Y_MinnpG_u4p12[4]	t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	24576		
LTrqLOA_LatAccGain_Y_MinnpG_upi12 S LTrqLOA_LatAccGain_Y_MinnpG_upi12 S LTrqLOA_LatAccGain_Y_MinnpG_upi12 S LTrqLOA_LatAccGain_Y_MinnpG_upi12 S LTrqLOA_TempTrqCmdSatYTbLMinn_upi12 S LTrqLOA_X kpi_u10pi8 S	t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	25395		
TriqLOA_LatAccGain_Y_MinNmpG_u4p12 S TriqLOA_LatAccGain_Y_MinNmpG_u4p12 T TriqLOA_TempTrqCmdsSaYTD_MinNm_u4p12 0 Stip2 TriqLOA_TempTrqCmdsSaYTD_MinNm_u4p12 1 TriqLOA_TempTrqCmdSaYTD_MinNm_u4p12 1 TriqLOA_TempTrqCmd_TempTrqCoATempTrqLOATempTrqCoATempTr	t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	28672		
LTrqLOA_LenAccGain_Y_MinhmpG_usp127 8192	t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	29491		
TrqLOA_TempTrqCmdSatYTD_MthRm_u4p12(r)	t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	32768		
LTrqLOA_TempTrqCmdSatYTD_MtrNm_u4p12(1)	t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	33587		
TrqLOA_TempTrqCmdSaYTbi_MrNm_usp12[2] 18432 TrqLOA_TempTrqCmdSaYTbi_MrNm_usp12[3] 18022 TrqLOA_TempTrqCmdSaYTbi_MrNm_usp12[4] 21709 TrqLOA_TempTrqCmdSaYTbi_MrNm_usp12[6] 23347 TrqLOA_TempTrqCmdSaYTbi_MrNm_usp12[6] 26624 TrqLOA_TempTrqCmdSaYTbi_MrNm_usp12[7] 26624 TrqLOA_TempTrqCmdSaYTbi_MrNm_usp12[7] 26624 TrqLOA_TempTrqCmdSaYTbi_MrNm_usp12[7] 26624 TrqLOA_TempTrqCmdSaYTbi_MrNm_usp12[7] 26624 TrqLOA_X_Koh_usp6[7] 26688 2752 TrqLOA_X_Koh_usp6[7] 2816 2816 TrqLOA_X_Koh_usp6[8] 2816 2816 TrqLOA_X_Koh_usp6[9] 2816 2816 TrqLOA_X_Koh_usp6[9] 2816 2844 TrqLOA_X_Koh_usp6[9] 2816 2840 TrqLOA_X_Koh_usp6[9] 2816 2840 TrqLOA_X_Koh_usp6[9] 2816 2840 TrqLOA_X_Koh_usp6[9] 2816 2840 TrqLOA_X_Koh_usp6[9] 2840 2840 2840 TrqLOA_X_Koh_usp6[9] 2840 2840 2840 TrqLOA_X_Koh_usp6[9] 2840	t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	8192		
LTrqLOA_TempTrqCmdSaYTDL_MtNm_u4p12[3] 18022 LTrqLOA_TempTrqCmdSaYTDL_MtNm_u4p12[4] 21709 LTrqLOA_TempTrqCmdSaYTDL_MtNm_u4p12[5] 23347 LTrqLOA_TempTrqCmdSaYTDL_MtNm_u4p12[6] 26624 LTrqLOA_TempTrqCmdSaYTDL_MtNm_u4p12[7] 26624 LTrqLOA_TempTrqCmdSaYTDL_MtNm_u4p12[7] 26624 LTrqLOA_X_Kph_u10p6[0] 26824 LTrqLOA_X_Kph_u10p6[0] 2752 LTrqLOA_X_Kph_u10p6[0] 2762 LTrqLOA_X_Kph_u10p6[0] 2888 LTrqLOA_X_Kph_u10p6[0] 2880 LTrqLOA_X_Kph_u10p6[0] 2880 LTrqLOA_X_Kph_u10p6[0] 2944 LTrqLOA_X_Kph_u10p6[0] 2944 LTrqLOA_X_Kph_u10p6[0] 2944 LTrqLOA_X_Kph_u10p6[0] 3008 LTrqLOA_X_Kph_u10p6[0] 3008 LTrqLOA_X_Kph_u10p6[0] 3008 LTrqLOA_X_Kph_u10p6[0] 3008 LTrqLOA_X_Kph_u10p6[0] 3002 LTr	t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	14336		
LTrqLoA_TempTrqCmdSatYTb_MrNm_u4p12[4] 21709	t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	18432		
LTrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5] 26624	t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	18022		
LTrqLOA_TempTrqCmdSatYTbL_MtrNm_u4p12[6] 26624 LTrqLOA_TempTrqCmdSatYTbL_MtrNm_u4p12[7] 26624 LTrqLOA_X (kph_u10p6[1] 26824 LTrqLOA_X (kph_u10p6[1] 2688 LTrqLOA_X (kph_u10p6[2] 2752 LTrqLOA_X (kph_u10p6[3] 2816 LTrqLOA_X (kph_u10p6[3] 2880 LTrqLOA_X (kph_u10p6[6] 2880 LTrqLOA_X (kph_u10p6[6] 2880 LTrqLOA_X (kph_u10p6[6] 2894 LTrqLOA_X (kph_u10p6[6] 2944 LTrqLOA_X (kph_u10p6[7] 3072 LTrqLOA_TrqLOA_Prq_LoA_Krd_LoA_Krd_LoA_Krd_LoA_Krd_LoA_Krd_LoA_Krd_LoA_Krd_LoA_Krd	t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	21709		
CTRQLOA_TempTrqCmdSatYTbi_MtrNm_uip12[7] 26624 CTRQLOA_X_Rph_u10p6[0] 2624 CTRQLOA_X_Rph_u10p6[1] 2688 CTRQLOA_X_Rph_u10p6[2] 2752 CTRQLOA_X_Rph_u10p6[3] 2816 CTRQLOA_X_Rph_u10p6[4] 2880 CTRQLOA_X_Rph_u10p6[5] 2944 CTRQLOA_X_Rph_u10p6[6] 3008 CTRQLOA_X_Rph_u10p6[6] 3008 CTRQLOA_X_Rph_u10p6[6] 30072 LarqLOA_X_Rph_u10p6[7] 3072 LarqLOA_X_Rph_u10p	t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	23347		
LTrqLOA_X_Kph_u10p6[0]	t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	26624		
LTrqLOA_X_Kph_u10p6[1] 2688 2752 275	t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	26624		
LTrqLOA_X Kph_u10p6[2]	t_TrqLOA_X_Kph_u10p6[0]	2624		
LTrqLOA_X_Rph_u10p6[3]	t_TrqLOA_X_Kph_u10p6[1]	2688		
LTrqLOA_X_Kph_u10p6[4] 2880 2944 LTrqLOA_X_Kph_u10p6[5] 2944 LTrqLOA_X_Kph_u10p6[6] 3008 3072 30	t_TrqLOA_X_Kph_u10p6[2]	2752		
CTRLOA_X_Kph_u10p6[6] 2944 3008 CTRLOA_X_Kph_u10p6[6] 3008 CTRLOA_X_Kph_u10p6[6] 3008 CTRLOA_X_Kph_u10p6[6] 3008 CTRLOA_X_Kph_u10p6[6] 3008 CTRLOA_X_Kph_u10p6[6] 3008 CTRLOA_X_Kph_u10p6[7] 30072 300	t_TrqLOA_X_Kph_u10p6[3]	2816		
TrqLOA_X_Kph_u10p6 6 3008 T_rqLOA_X_kph_u10p6 7 3072 1 1 1 1 1 1 1 1 1	t_TrqLOA_X_Kph_u10p6[4]	2880		
TrqLOA_X_Kph_u10p6[7] 3072 1arget_Rte_Inst_Ap_TrqLOA_Per1_HandwheelAuthority_Uls_f32 1arget_Rte_Inst_Ap_TrqLOA_Per1_LatAcc_MpSecSq_f32 1arget_TrqLOA_Per1_LatAcc_MpSecSq_f32 1arget_TrqLOA_Per1_LatAcc_MpSecSq_f32 1arget_TrqLOA_Per1_LatAcc_MpSecSq_f32 1arget_TrqLOA_Per1_LatAcc_MpSecSq_f32 1arget_TrqLOA_Per1_LatAcc_MpSecSq_f32 1arget_TrqLOA_Per1_LatAcc_MpSecSq_f32 1arget_TrqLOA_Per1_MpSecSq_f32 1arget_TrqLOA_Per1_TrqLOAMpSecSq_f32 1arget_TrqLOA_Per1_TrqLOAMpSecSq_f32 1arget_TrqLOA_Per1_TrqLOAMpSecSq_f32 1arget_TrqLOA_Per1_MpSecSq_f32 1arget_TrqLOA_Per1_MpSecSq	t_TrqLOA_X_Kph_u10p6[5]	2944		
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_LatAccelVaild_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_MtrVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAVail_Cnt_Igc target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAVail_Cnt_Igc target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACMdftrNm_f32 target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACMdftrNm_f32 target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACMdftrNm_f32 target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32 target_TrqLOA_Per1_VehicleSpeed_Kph_f32 target_TrqLOA_Per1_LatAccelVaild_Cnt_Igc target_TrqLOA_Per1_LatAccelVaild_Cnt_Igc_value 1 target_TrqLOA_Per1_LatAccelVaild_Cnt_Igc_value 1 target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32_value 2 target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32_value 2 target_TrqLOA_Per1_Reli+Wpos_HwDeg_f32_value 2 target_TrqLOA_Per1_NtrVelCRF_MtrRadpS_f32_value 2 targe	t_TrqLOA_X_Kph_u10p6[6]	3008		
target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_LatAcc_MpSecSq_f32 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_MotAgLoaMtgtnEn_Cnt_Igc target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_TrqLOAAvail_Cnt_Igc target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_TrqLOAAvail_Cnt_Igc target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_TrqLOACvail_Cnt_Igc target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc target_TrqLOA_Per1_LatAcc_MpSecSq_f32_value target_TrqLOA_Per1_LatAcc_MpSecSq_f32_value target_TrqLOA_Per1_LatAcc_MpSecSq_f32_value target_TrqLOA_Per1_LatAcc_MpSecSq_f32_value target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32_value target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32_value target_TrqLOA_Per1_NehicleSpeedValid_Cnt_Igc_value target_TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc_value target_TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc_value target_TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc_value target_TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc_value TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc_value TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc_value TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc_value TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc_value TrqLOA_LatAcceslov_g_M_Str.Sv_Uls_f32 0.775334775 0.775334775 0.775334775 0.760_A_LatAcceslov_g_M_Str.Sv_Uls_f32 0.000_0349366665 0.349372685 ± 0.01 TrqLOA_CaledMtrTrqCmd_MtrNm_Mf32 0.000_04 ± 0.01 TrqLOA_TrqBasedScaleFactor_Uls_Mf32 1 ± 0.01 TrqLOA_TrqBasedScaleFactor_Uls_Mf32	t_TrqLOA_X_Kph_u10p6[7]	3072		
target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_LatAccelValid_Cnt_Igc target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_MotAgLoaMtghten_Cnt_Igc target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_MitrVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_MitrVelCRF_MtrRadpS_f32 target_TrqLOA_Per1_MitrVelCRF_MtrRadpS_f32 target_TrqLOA_Per1_MitrVelCRF_MtrRadpS_f32 target_TrqLOA_Per1_MitrVelCRF_MtrRadpS_f32 target_TrqLOA_Per1_MitrVelCRF_MtrRadpS_f32 target_TrqLOA_Per1_TrqLOA_Per1_TrqLOAVail_Cnt_Igc target_TrqLOA_Per1_TrqLOA_TrqLOA_Per1_TrqLOAVail_Cnt_Igc target_TrqLOA_Per1_TrqLOA_TrqLOA_Per1_TrqLOACmd_MtrNm_f32 target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc target_TrqLOA_Per1_HandwheelAuthority_UIs_f32_value target_TrqLOA_Per1_LatAccelValid_Cnt_Igc.value target_TrqLOA_Per1_LatAccelValid_Cnt_Igc.value target_TrqLOA_Per1_LatAccelValid_Cnt_Igc.value target_TrqLOA_Per1_MitrVelCRF_MtrRadpS_f32_value target_TrqLOA_Per1_MitrVelCRF_MtrRadpS_f32_value target_TrqLOA_Per1_MitrVelCRF_MtrRadpS_f32_value target_TrqLOA_Per1_MitrVelCRF_MtrRadpS_f32_value target_TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc.value target_TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc.value target_TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc.value target_TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc.value target_TrqLOA_Per1_VehicleSpeed_Kph_f32_value target_TrqLOA_Per1_Nell-Mros_HvDeg_f32_value target_TrqLOA_Per1_VehicleSpeed_Kph_f32_value target_TrqLOA_Per1_VehicleSpeed_Kph_f32_value target_TrqLOA_Per1_VehicleSpeed_Kph_f32_value target_TrqLOA_Per1_VehicleSpeed_Kph_f32_value target_TrqLOA_Der1_VehicleSpeed_Kph_f32_value target_TrqLOA_Der1_VehicleSpeed_Kph_f32_value target_TrqLOA_Der1_VehicleSpeed_Kph_f32_value target_TrqLOA_Der1_VehicleSpeed_Kph_f32_value target_TrqLOA_Der1_VehicleSpeed_Kph_f32_value target_TrqLOA_Der1_VehicleSpeed_Kph_f32_value target_TrqLOA_Der1_VehicleSpeed_Kph_f32_value target_TrqLOA_Der1_VehicleSpeed_Kph_f32_value target_TrqLOA_Der1_Vehi	target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_Handwheel/	Authority_Uls_f32	
target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_MotAgLoaMtghtEn_Cnt_Igc target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_RelHwPos_HwDeg_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_TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc target_TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc target_TrqLOA_Per1_VehicleSpeed_Kph_f32 target_TrqLOA_Per1_LatAcc_MSecSq_f32_value target_TrqLOA_Per1_LatAcc_WSecSq_f32_value target_TrqLOA_Per1_LatAccelValid_Cnt_Igc_value target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32_value target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32_value target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32_value target_TrqLOA_Per1_NethicleSpeedValid_Cnt_Igc_value target_TrqLOA_Per1_NethicleSpeedValid_Cnt_Igc_value target_TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc_value target_TrqLOA_Per1_VehicleSpeed_Kph_f32_value 239.056885 Name Actual Value Expected Value TrqLOA_LatAccelSv_g_M_Str.Sv_Uls_f32 0.349366665 0.349372685 ± 0.01 TrqLOA_TrqDA_MtrNm_M_f32 0.0 0 ± 0.01 TrqLOA_TrqBasedScaleFactor_Uls_M_f32 11 ± 0.01	target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_Mps	SecSq_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32 target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32 target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32 target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value target_TrqLOA_Per1_MorAgLoaMtgtnEn_Cnt_Igc.value target_TrqLOA_Per1_MorAgLoaMtgtnEn_Cnt_Igc.value target_TrqLOA_Per1_MrvelCRF_MtrRadpS_f32.value 255 target_TrqLOA_Per1_MrvelCRF_MtrRadpS_f32.value target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value target_TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc.value target_TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc.value target_TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc.value target_TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc.value target_TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc.value target_TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc.value target_TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc.value target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value 255 target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value 256 target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value 279.04582 target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value 289.056885 Name Actual Value TrqLOA_LatAccScaleFactor_Uls_M_f32 0.349376665 0.349372685 ± 0.01 TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32 0.349366665 0.349372685 ± 0.01 TrqLOA_TrqLOA_TrqCod_MtrNm_M_f32 0.0 0 ± 0.01 TrqLOA_TrqBasedScaleFactor_Uls_M_f32 1 1 ± 0.01	target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_Igc	target_TrqLOA_Per1_LatAccelVal	id_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.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_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32 target_TrqLOA_Per1_VehicleSpeed_Kph_f32 target_TrqLOA_Per1_VehicleSpeed_Kph_f32 target_TrqLOA_Per1_VehicleSpeed_Kph_f32 target_TrqLOA_Per1_VehicleSpeed_Kph_f32 target_TrqLOA_Per1_LatAcc_MpSecSq_f32_value target_TrqLOA_Per1_LatAccelValid_Cnt_lgc_value target_TrqLOA_Per1_MotAgLoaMtgmEn_Cnt_lgc_value target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32_value target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32_value 255 target_TrqLOA_Per1_NelHwPos_HwDeg_f32_value target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc_value target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc_value target_TrqLOA_Per1_VehicleSpeed_Kph_f32_value 239_056885 Name Actual Value Expected Value TrqLOA_LatAccScaleFactor_Uls_M_f32 0.349366665 0.349372685 ± 0.01 TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32 0.0±0.01 TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32 17qLOA_TrqBasedScaleFactor_Uls_M_f32 11±0.01	target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaM	ltgtnEn_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOAPer1_TrqLOAAvail_Cnt_lgc target_Rte_Inst_Ap_TrqLOA.TrqLOAPer1_TrqLOACmd_MtrNm_f32 target_Rte_Inst_Ap_TrqLOA.TrqLOAPer1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_TrqLOA.TrqLOAPer1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_TrqLOA.TrqLOAPer1_VehicleSpeed_Kph_f32 target_TrqLOAPer1_VehicleSpeed_Kph_f32 target_TrqLOAPer1_HandwheelAuthority_Uls_f32.value target_TrqLOAPer1_LatAcc_MpSecSq_f32.value target_TrqLOAPer1_LatAccelValid_Cnt_lgc.value target_TrqLOAPer1_MtrVelCRF_MtrRadpS_f32.value target_TrqLOAPer1_MtrVelCRF_MtrRadpS_f32.value target_TrqLOAPer1_MtrVelCRF_MtrRadpS_f32.value target_TrqLOAPer1_VehicleSpeedValid_Cnt_lgc.value target_TrqLOAPer1_VehicleSpeedValid_Cnt_lgc.value target_TrqLOAPer1_VehicleSpeedValid_Cnt_lgc.value target_TrqLOAPer1_VehicleSpeedValid_Cnt_lgc.value target_TrqLOAPer1_VehicleSpeedValid_Cnt_lgc.value target_TrqLOAPer1_VehicleSpeedValid_Cnt_lgc.value target_TrqLOAPer1_VehicleSpeed_Kph_f32.value 239.056885 Name Actual Value Expected Value TrqLOA_LatAccScaleFactor_Uls_M_f32 0.349376665 0.349372685 ± 0.01 TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32 0.4000 TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32 0.0000 TrqLOA_TrqBasedScaleFactor_Uls_M_f32 TrqLOA_TrqBasedScaleFactor_Uls_M_f32 TrqLOA_TrqBasedScaleFactor_Uls_M_f32 TrqLOA_TrqBasedScaleFactor_Uls_M_f32 TrqLOA_TrqBasedScaleFactor_Uls_M_f32 TrqLOA_TrqBasedScaleFactor_Uls_M_f32	target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_	MtrRadpS_f32	
target_Rte_Inst_Ap_TrqLOA_Per1_TrqLOACmd_MtrNm_f32 target_Rte_Inst_Ap_TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_TrqLOA_Per1_VehicleSpeed_Kph_f32 target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value target_TrqLOA_Per1_LatAccelValid_Cnt_Igc.value target_TrqLOA_Per1_MotAgLoaMtgnEn_Cnt_Igc.value target_TrqLOA_Per1_MotAgLoaMtgnEn_Cnt_Igc.value target_TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc.value target_TrqLOA_Per1_MotAgLoaMtgnEn_Cnt_Igc.value target_TrqLOA_Per1_MotAgLoaMtgnEn_Cnt_Igc.value target_TrqLOA_Per1_MotAgLoaMtgnEn_Cnt_Igc.value target_TrqLOA_Per1_MotAgloaMtgnEn_Cnt_Igc.value target_TrqLOA_Per1_NotAgloaMtgnEn_Cnt_Igc.value target_TrqLOA_Per1_NotAgloaMtgnEn_Cnt_Igc.value target_TrqLOA_Per1_NotAgloaMtgnEn_Cnt_Igc.value target_TrqLOA_Per1_NotAgloaMtgnEn_Cnt_Igc.value target_TrqLOA_Per1_NotAgloaMtgnEn_Cnt_Igc.value target_TrqLOA_Per1_NotAgloaMtgnEn_Cnt_Igc.value target_TrqLOA_Per1_NotAgloaMtgnEn_Cnt_Igc.value target_TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc.value 1 target_TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc.value 239.056885 Name Actual Value Expected Value TrqLOA_LatAccelSv_g_M_Str.Sv_Uls_f32 0.349366665 0.349372685 ± 0.01 TrqLOA_ScaledMtrTqCmd_MtrNm_M_f32 0.0 0 ± 0.01 TrqLOA_ScaledMtrTqCmd_MtrNm_M_f32 1 0 0 ± 0.01 TrqLOA_TrqLOA_MtrNm_M_f32 1 1 ± 0.01	target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_	HwDeg_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 1 target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value -4.03180599 target_TrqLOA_Per1_LatAccelValid_Cnt_Igc.value 1 target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_Igc.value 1 target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value -970.46582 target_TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc.value 255 target_TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc.value 1 target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value 239.056885 Name Actual Value Expected Value TrqLOA_LatAccScaleFactor_Uls_M_f32 0.775334775 0.775334775 TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32 0.349366665 0.349372685 ± 0.01 TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32 0 0 ± 0.01 TrqLOA_TrqBasedScaleFactor_Uls_M_f32 1 1 ± 0.01	target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOAAva	il_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA_Per1_VehicleSpeed_Kph_f32 target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value target_TrqLOA_Per1_LatAcceMpSecSq_f32.value target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value target_TrqLOA_Per1_NetrVelCRF_MtrRadpS_f32.value target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value 239.056885 Name Actual Value Expected Value TrqLOA_LatAccScaleFactor_Uls_M_f32 0.775334775 0.349372685 ± 0.01 TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32 0 0 ± 0.01 TrqLOA_TloaCmd_MtrNm_M_f32 1 0 0 ± 0.01 TrqLOA_TrqBasedScaleFactor_Uls_M_f32 1 1 ± 0.01	target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmo	d_MtrNm_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_RellHwPos_HwDeg_f32.value 255 target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value 1 target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value 239.056885 Name Actual Value Expected Value TrqLOA_LatAccScaleFactor_Uls_M_f32 0.775334775 0.775334775 TrqLOA_LatAccelSV_g_M_Str.SV_Uls_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_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSpee	edValid_Cnt_lgc	
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 Name Actual Value Expected Value TrqLOA_LatAccScaleFactor_Uls_M_f32 0.775334775 0.775334775 TrqLOA_LatAccelSV_g_M_Str.SV_Uls_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_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpee	ed_Kph_f32	
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 Name Actual Value Expected Value TrqLOA_LatAccScaleFactor_Uls_M_f32 0.775334775 0.775334775 TrqLOA_LatAccelSV_g_M_Str.SV_Uls_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_HandwheelAuthority_Uls_f32.value	1		
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 Name Actual Value Expected Value TrqLOA_LatAccScaleFactor_Uls_M_f32 0.775334775 0.775334775 TrqLOA_LatAccelSV_g_M_Str.SV_Uls_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_LatAcc_MpSecSq_f32.value	-4.03180599		
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 Name Actual Value Expected Value TrqLOA_LatAccScaleFactor_Uls_M_f32 0.775334775 0.775334775 TrqLOA_LatAccelSV_g_M_Str.SV_Uls_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		1		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value -970.46582 target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value 255 target_TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc.value 1 target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value 239.056885 Name Actual Value Expected Value TrqLOA_LatAccScaleFactor_UIs_M_f32 0.775334775 0.775334775 TrqLOA_LatAcceISV_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_UIs_M_f32 1 1 ± 0.01		1		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc.value 1 target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value 239.056885 Name Actual Value Expected Value TrqLOA_LatAccScaleFactor_Uls_M_f32 0.775334775 0.775334775 TrqLOA_LatAcceISV_g_M_Str.SV_Uls_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		-970.46582		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value 239.056885 Name Actual Value Expected Value I TrqLOA_LatAccScaleFactor_Uls_M_f32 0.775334775 0.775334775 0.775334775 0.775334775 0.349372685 ± 0.01 0.349372685 ± 0.01 0.349372685 ± 0.01 <	· - · · -	255		
Vame Actual Value Expected Value TrqLOA_LatAccScaleFactor_Uls_M_f32 0.775334775 0.775334775 TrqLOA_LatAccelSV_g_M_Str.SV_Uls_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_VehicleSpeedValid_Cnt_lgc.value	1		
TrqLOA_LatAccScaleFactor_Uls_M_f32 0.775334775 0.775334775 TrqLOA_LatAccelSV_g_M_Str.SV_Uls_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		239.056885		
TrqLOA_LatAccScaleFactor_Uls_M_f32 0.775334775 0.775334775 TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32 0.349366665 0.349372685 ± 0.01 TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32 0 0 ± 0.01 TrqLOA_TrqBasedScaleFactor_Uls_M_f32 0 0 ± 0.01 TrqLOA_TrqBasedScaleFactor_Uls_M_f32 1 1 ± 0.01	Name	Actual Value	Expected Value	Result
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_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			· · · · · · · · · · · · · · · · · · ·	-
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				
TrqLOA_TloaCmd_MtrNm_M_f32 0 0 ± 0.01 TrqLOA_TrqBasedScaleFactor_Uls_M_f32 1 1 ± 0.01				
TrqLOA_TrqBasedScaleFactor_Uls_M_f32 1 1 ± 0.01				
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value 0 0		0	0	
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value 0 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_UIs_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
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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_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	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_UIs_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

Test Step 2.10 (Repeat Count = 1)	
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	0.449999988
rqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0164999999
rqLOA_ScaledMtrTrqCmd_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
c_TrqLOA_AbsVelThreshold_MtrRadpS_f32	273.207611
_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-36.3950081
_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	24.804491
_TrqLOA_FallingRampRate_UlspS_f32	-524.556824
_TrqLOA_LatAccConversionFactor_Uls_f32	8.5640192
_TrqLOA_LimOutput_MtrNm_f32	3.37794185
r_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





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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_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_UIs_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_UIs_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_UIs_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 17039
t_TrqLOA_DiffGainX_G_u2p14[2]	22938
t_TrqLOA_DiffGainX_G_u2p14[3]	11520
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	11840
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1] 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
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 TrgLOA TempTrgCmdSatYTbl 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_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	-0.578490138
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	0

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TrqLOA_Per1

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	~

Test Step 2.11 (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_Uls_f32	0.5	
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0170000009	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	6.31133032	
TrqLOA_TloaCmd_MtrNm_M_f32	-4	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.0365312696	
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	4.3778944	
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	51.5899467	
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-75.230217	
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	48.0125961	
k_TrqLOA_FallingRampRate_UlspS_f32	-961.261719	
k_TrqLOA_LatAccConversionFactor_Uls_f32	9.47277641	
k_TrqLOA_LimOutput_MtrNm_f32	6.38434887	
k_TrqLOA_MaxScaleFactor_Uls_f32	1	
k_TrqLOA_MinScaleFactor_UIs_f32	0.0216306448	
k_TrqLOA_NomDrvTrq_MtrNm_f32	3.72263956	
k_TrqLOA_RisingRampRate_UlspS_f32	513.838379	
k_TrqLOA_SteerRatio_UIs_f32	34.9043198	
k_TrqLOA_UndersteerGrad_RadpG_f32	0.25	
k_TrqLOA_Wheelbase_M_f32	14.8978052	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	13763	
t2_TrqLOA_DiffGainY_UIs_u1p15[0][1]	15729	
t2_TrqLOA_DiffGainY_UIs_u1p15[0][2]	17039 19661	
t2_TrqLOA_DiffGainY_UIs_u1p15[0][3]	13763	
t2_TrqLOA_DiffGainY_UIs_u1p15[1][0] t2_TrqLOA_DiffGainY_UIs_u1p15[1][1]	15729	
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	17039	
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	19661	
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	13763	
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	15729	
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	17039	
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	19661	
t2_TrqLOA_DiffGainY_Uls_u1p15[2][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 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_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 Uls u1p15[7][1]	15729	
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	17039	
t2_TrqLOA_DiffGainY_UIs_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	
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Name	Input Value	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 4608			
t_TrqLOA_X_Kph_u10p6[7]		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_TrqLOA_Per1_HandwheelAu 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			
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_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_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			
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	1.21517611			
target TrqLOA Per1 LatAccelValid Cnt Igc.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	Kesult	
TrqLOA_LatAcceScaleFactor_Uis_im_ts2 TrqLOA_LatAccelSV g M Str.SV Uls f32	0.849539578	0.849539578 0.498035997 ± 0.01		
	0.498035997			
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32 TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	•	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.0216306448	0 ± 0.01 0.0216306448 ± 0.01		
TIMENO TIMBOSCUCIONE GUIDI UIS IVI 132	0.02 10000440	U.UZ 10300440 I U.U I		
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0		

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	

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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	0.838027477
k_TrqLOA_MinScaleFactor_Uls_f32 k_TrqLOA_NomDrvTrq_MtrNm_f32	1 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_UIs_u1p15[0][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	21299
t2_TrqLOA_DiffGainY_UIs_u1p15[0][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0] t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	17367 19333
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	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_UIs_u1p15[3][1]	19333
t2_TrqLOA_DiffGainY_UIs_u1p15[3][2]	21299 26214
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3] 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] t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	17367 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]	18678
t_TrqLOA_DiffGainX_G_u2p14[2] t_TrqLOA_DiffGainX_G_u2p14[3]	21299 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]	3277
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	6554
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3] t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	13107 16384
t_TrqLOA_arignspeed rrqblerid_r_ois_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]	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
_ 1	

TrqLOA_Per1





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_HandwheelAu	thority_Uls_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSe	cSq_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_MotAgLoaMtg	tnEn_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_Hv	vDeg_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_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_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	•
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0.0826489776	0.0826489702 ± 0.01	✓

Name	Input Value
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA
TrqLOA_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
FrqLOA_TrqBasedScaleFactor_Uls_M_f32	-0.649484217
_TrqLOA_AbsAssistThreshold_MtrNm_f32	4.52225447
C_TrqLOA_AbsVelThreshold_MtrRadpS_f32	855.912842
<_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-13.8163471
_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	83.0125198
_TrqLOA_FallingRampRate_UlspS_f32	-80.8626328
C_TrqLOA_LatAccConversionFactor_Uls_f32	1.45001364
C_TrqLOA_LimOutput_MtrNm_f32	1.74174845
c_TrqLOA_MaxScaleFactor_Uls_f32	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
12 TrgLOA DiffGainY Uls u1p15[2][1]	2458





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]	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_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][0]	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]	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 45875
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	49152
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6] 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]	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_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	0.090705514 0.422303379
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	1

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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>

Name	Input Value	
	target_Rte_Inst_Ap_TrqLOA	
Rte_Inst_Ap_TrqLOA FrqLOA LatAccScaleFactor Uls M f32	1	
FrqLOA_LatAccelSV_g_M_Str.SV_UIs_f32	0.649999976	
FrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0185000002	
FrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	7.2180357	
FrqLOA_TloaCmd_MtrNm_M_f32	-2.5	
FrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.340875268	
c_TrqLOA_AbsAssistThreshold_MtrNm_f32	9.84898376	
x_TrqLOA_AbsVelThreshold_MtrRadpS_f32	846.358887	
C_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-77.936348	
x_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	72.3617096	
x_TrqLOA_FallingRampRate_UlspS_f32	-861.899231	
x_TrqLOA_LatAccConversionFactor_Uls_f32	7.44272804	
C_TrqLOA_LimOutput_MtrNm_f32	1.15138853	
x_TrqLOA_MaxScaleFactor_Uls_f32	0.901087523	
c_TrqLOA_MinScaleFactor_Uls_f32	1	
x_TrqLOA_NomDrvTrq_MtrNm_f32	7.09603024	
C_TrqLOA_RisingRampRate_UlspS_f32	583.057068	
C_TrqLOA_SteerRatio_Uls_f32	28.1238441	
C_TrqLOA_UndersteerGrad_RadpG_f32	0.25	
C_TrqLOA_Wheelbase_M_f32	5.62831402	
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	
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	
TrqLOA DiffGainX G u2p14[0]	3277	
TrqLOA DiffGainX G u2p14[1]	4096	

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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		
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_Handwhee	IAuthority_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_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_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	eed_Kph_f32	
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	l=	1_
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.844127297	0.844127297	•
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_TloaCmd_MtrNm_M_f32	-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	

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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_HandwheelAu	thority_Uls_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSe	cSq_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_MotAgLoaMtg	tnEn_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_M	ltrRadpS_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_Hv	wDeg_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	Resul
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	0	0	
terret Trail OA Band Trail OA Cond Mithles 600 water	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	✓

Name	Input Value	
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA	
FrgLOA LatAccScaleFactor Uls M f32	0.982143283	
FrgLOA LatAccelSV g M Str.SV Uls f32	0.20000003	
FrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.019999996	
FrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-6.9605794	
FrqLOA_TloaCmd_MtrNm_M_f32	-1	
FrqLOA_TrqBasedScaleFactor_Uls_M_f32	-1.19092691	
c_TrqLOA_AbsAssistThreshold_MtrNm_f32	5.60962009	
C_TrqLOA_AbsVelThreshold_MtrRadpS_f32	515.822083	
<pre>c_fiques = figure for the first for the</pre>	-32.9132347	
<pre>c_rqLOA_DiffScaleRateLimiterRising_UlspS_f32</pre>	51.4809647	
C_TrqLOA_FallingRampRate_UlspS_f32	-416.867584	
TrqLOA LatAccConversionFactor Uls f32	2.92874336	
C_TrqLOA_LimOutput_MtrNm_f32	2.28109956	
C_TrqLOA_LimOdiput_MitNIII_132	1	
	1	
<pre>c_TrqLOA_MinScaleFactor_Uls_f32 s_TrqLOA_NomDrvTrq_MtrNm_f32</pre>	0.981505513	
TrqLOA_NoInDIVTIq_MuNII_132	452.399811	
_ , _ , _ , _		
c_TrqLOA_SteerRatio_Uls_f32	57.01577	
C_TrqLOA_UndersteerGrad_RadpG_f32	0.217999741	
x_TrqLOA_Wheelbase_M_f32	15.5838728	
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	
2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	19333	
2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	21299	
2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	26214	
2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	17367	
2 TrqLOA DiffGainY Uls u1p15[7][1]	19333	
2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	21299	
2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	26214	
_TrqLOA_DiffGainX_G_u2p14[0]	8684	





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 40960		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	41779		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]			
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	45056 45875		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5] t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	45875		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	49152		
	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]	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_Handwhee	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	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_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_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	0.747072339		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	0		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	755.382446		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-463.46756		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	58.6060486		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.916316807	0.916316807	•
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_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	-0.286127269	-0.28612721 ± 0.01	•
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	•
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	-0	0 ± 0.01	

Test Step 2.18 (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	





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	0.378737688
k_TrqLOA_MinScaleFactor_Uls_f32	1
k_TrqLOA_NomDrvTrq_MtrNm_f32	8.8000019
k_TrqLOA_RisingRampRate_UlspS_f32	350.725677
k_TrqLOA_SteerRatio_Uls_f32 k_TrqLOA_UndersteerGrad_RadpG_f32	83.0911789 0.25
k_TrqLOA_Wheelbase_M_f32	9.46714211
t2_TrqLOA_Wifeelbase_W_IJ2 t2_TrqLOA_DiffGainY_UIs_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_UIs_u1p15[6][1]	2458
t2_TrqLOA_DiffGainY_UIs_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][1]	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
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 15974
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	109/4

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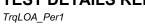
Name	Input Value		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	16794		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	19251		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	20890		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	22938		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	24166		
t_TrqLOA_X_Kph_u10p6[0]	7744		
t_TrqLOA_X_Kph_u10p6[1]	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_HandwheelAutho	rity_Uls_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecSo	q_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelValid_Cr	nt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMtgtnE	in_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrR	adpS_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	Nm_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc	target_TrqLOA_Per1_VehicleSpeedVal	id_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpeed_Kp	ph_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 Igc.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

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Name	Input Value
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_UIs_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_UIs_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]	1920
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	2240
	2560
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	
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]	4096
t TrgLOA 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]	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_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_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_UIs_f32.value	1





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	0.349999994
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
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	3.29880762
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	101.334595
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-30.5762386
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	49.3492393
k_TrqLOA_FallingRampRate_UlspS_f32	-224.786346
k TrqLOA LatAccConversionFactor Uls f32	10
k_TrqLOA_LimOutput_MtrNm_f32	8.21726894
k_TrqLOA_MaxScaleFactor_Uls_f32	0.136131763
k_TrqLOA_MinScaleFactor_Uls_f32	0.551099062
k_TrqLOA_NomDrvTrq_MtrNm_f32	8.80000019
k TrqLOA RisingRampRate UlspS f32	153.018997
k_TrqLOA_SteerRatio_Uls_f32	46.068264
k TrqLOA UndersteerGrad RadpG f32	0.25
k_TrqLOA_Wheelbase_M_f32	14.9741869
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	12124
t2 TrgLOA 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
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	12124
t2_frqLOA_DiffGainY_Uis_u1p15[4][1] t2_TrqLOA_DiffGainY_Uis_u1p15[4][2]	12780
t2_TrqLOA_DillGainT_Dis_u1p15[4][2] t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	13107
t2_TrqLOA_DillGainY_Uis_u1p15[4][3] t2_TrqLOA_DiffGainY_Uis_u1p15[5][0]	10158
	lane.
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1] t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	12124 12780
t2_TrqLOA_DillGainY_Uis_u1p15[5][2] 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





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 TrgLOA LatAccGain Y MtrNmpG u4p12[7]	33587		
t TrgLOA TempTrgCmdSatYTbl MtrNm u4p12[0]	7373		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	13107		
t TrqLOA TempTrqCmdSatYTbl_www.u4p12[2]	17613		
t TrqLOA_TempTrqCmdSatYTbl_within_u4p12[3]	17613		
	20890		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]			
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		
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_lgc	target_TrqLOA_Per1_MotAgLoa	MtgtnEn_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF	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_TrqLOACn	md_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	0.112473726		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	5.86611271		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.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_lgc.value	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	86.8814697		
Name	Actual Value	Expected Value	Result
TrgLOA LatAccScaleFactor UIs M f32	0.699767113	0.699767113	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.353336662	0.353336662 ± 0.01	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	
TIGEOTA COGIOGINI ITIGOTIU INILIATII IN IOZ	٥		
	0	0 + 0.01	
TrqLOA_TloaCmd_MtrNm_M_f32	0 278150678	0 ± 0.01	
	0 0.278150678 0	0 ± 0.01 0.278150648 ± 0.01 0	

Test Step 2.21 (Repeat Count = 1)		J.
	Innut Value	·
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	0.40000006	
TrqLOA LatAccelSV g M Str.K Uls f32	0.0219999999	

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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_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
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_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] 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 TrgLOA TempTrgCmdSatYTbl 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_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_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_UIs_u1p15[3][3]	26214
t2_TrqLOA_DiffGainY_UIs_u1p15[4][0]	17367
t2_TrqLOA_DiffGainY_UIs_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_UIs_u1p15[5][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	17367 19333
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1] 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_DiliGainY_UIs_u1p15[7][0]	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]	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] t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	58163
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	60211 60621
t TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	61030
t TrgLOA_EarAcceani_1_withinpe_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]	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_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_Igc	target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpeed_Kph_f32





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	





Name	Input Value		
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]	8640		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	8960		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	9280 9600		
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]	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]	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]	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] t TrqLOA_X_Kph_u10p6[7]	10688 10752		
target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_HandwheelAuthority_Uls_f32	target TrqLOA Per1 Handwhee	NAuthority I le f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_M	, <u> </u>	
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 Rte Inst Ap TrqLOA.TrqLOA Per1 MtrVelCRF MtrRadpS f32	target_TrqLOA_Per1_MtrVelCRI		
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_TrqLOACr		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSp		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSp		
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	1		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	3.53119206		
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	-562.210022		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc.value	0		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	197.788849		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.27381736	0.27381736	•
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	-0.272943676	-0.272943676 ± 0.01	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-0.433753699	-0.433753729 ± 0.01	
TrqLOA_TloaCmd_MtrNm_M_f32	-0.433753699	-0.433753729 ± 0.01	•
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.382634044	0.382634044 ± 0.01	
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	

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Name	Input Value
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0234999992
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_FallingRampRate_UlspS_f32	-508.201782
k_TrqLOA_LatAccConversionFactor_Uls_f32	3.90489888
k_TrqLOA_LimOutput_MtrNm_f32	1.23735428
k_TrqLOA_MaxScaleFactor_Uls_f32 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	9.53439236
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_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_UIs_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_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_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 4751
t_TrqLOA_DiffGainX_G_u2p14[2] t_TrqLOA_DiffGainX_G_u2p14[3]	4/51
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]	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 Trail OA LatAccCain V Mth. Inc. O 4 - 4077	22507
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7] t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	33587 10650

TrgLOA Per1

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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 11264 t_TrqLOA_X_Kph_u10p6[7] $target_Rte_Inst_Ap_TrqLOA_Per1_HandwheelAuthority_Uls_f32$ 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 $target_Rte_Inst_Ap_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc$ 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 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 3.82478905 target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value 0 target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value 1 target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value 1326.5 463.004272 target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value target TrqLOA Per1 VehicleSpeed Kph f32.value 260.155029 Name **Actual Value Expected Value** TrqLOA_LatAccScaleFactor_Uls_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

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
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	79.7622375
k_TrqLOA_FallingRampRate_UlspS_f32	-906.341125
k_TrqLOA_LatAccConversionFactor_Uls_f32	8.63694096
k_TrqLOA_LimOutput_MtrNm_f32	4.69407511
k_TrqLOA_MaxScaleFactor_Uls_f32	1
k_TrqLOA_MinScaleFactor_Uls_f32	1
k_TrqLOA_NomDrvTrq_MtrNm_f32	8.73774338
k_TrqLOA_RisingRampRate_UlspS_f32	506.32724
k_TrqLOA_SteerRatio_Uls_f32	25.6027412
k_TrqLOA_UndersteerGrad_RadpG_f32	0.25
k_TrqLOA_Wheelbase_M_f32	13.3979607
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

0.359750509

0

0

0.359750509 ± 0.01

0

0 + 0.01

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 $TrqLOA_TrqBasedScaleFactor_Uls_M_f32$

target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value

target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value





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_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_UIs_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
	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	
t2_TrqLOA_DiffGainY_UIs_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]	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]	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_Y_Kph_u10p6[0]	11328
t TrqLOA X Kph u10p6[1]	11392
t_TrqLOA_X_Kph_u10p6[1]	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_HandwheelAuthonty_Ois_132 target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_HandwrieerAuthority_Ois_132 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_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
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_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc	target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32 target_TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc
angor_no_mor_np_mqron.hqron_ren_veniceopeeuvalio_oni_ig0	targot_rigtor_r or r_vorinocopeod valid_orit_igo

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Name	Input Value			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpe	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	0			
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	0	0		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	799.100525	799.100525		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1	1		
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	1 ± 0.01	✓	
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	✓	
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	1.75200272	1.75200284 ± 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	0.0244999994	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-4.05832148	
TrqLOA_TloaCmd_MtrNm_M_f32	3.5	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	1.49695146	
TrqLOA AbsAssistThreshold MtrNm f32	7.05715561	
<pre><_frqLOA_AbsVelThreshold_MtrRadpS_f32</pre>	691.984741	
<pre><_frqLOA_DiffScaleRateLimiterFalling_UlspS_f32</pre>	-60.6408615	
TrqLOA DiffScaleRateLimiterRising UlspS f32	65.9121246	
k_TrqLOA_5IllingRampRate_UlspS_f32	-415.079132	
<pre><_TrqLOA_LatAccConversionFactor_Uls_f32</pre>	10	
<pre><_TrqLOA_LimOutput_MtrNm_f32</pre>	7.91076517	
	1	
<pre><_TrqLOA_MaxScaleFactor_Uls_f32 <_TrqLOA_MinScaleFactor_Uls_f32</pre>	1	
k_TrqLOA_NomDrvTrq_MtrNm_f32	1.98730361 50.6216545	
k_TrqLOA_RisingRampRate_UlspS_f32		
k_TrqLOA_SteerRatio_UIs_f32	92.4181595	
k_TrqLOA_UndersteerGrad_RadpG_f32	0.25	
k_TrqLOA_Wheelbase_M_f32	17.4362545	
I2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	13763	
2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	15729	
I2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	17039	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	19661	
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	13763	
12_TrqLOA_DiffGainY_Uls_u1p15[1][1]	15729	
12_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	
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	
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	19661	
2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	13763	
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	15729	





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_HandwheelAu	thority Ille f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target TrqLOA_Fer1_frandwheelAd		
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_Hv	· -	
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_		
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_Fer1_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_Uls_M_f32	0.878718257	0.878718257	Result
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.623975098	0.623975098 ± 0.01	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-2.19068646	-2.19068694 ± 0.01	
	-2.19068646	-2.19068694 ± 0.01	
Tral OA TloaCmd MtrNm M f32		-2.13000034 ± 0.01	
TrqLOA_TloaCmd_MtrNm_M_f32 TrqLOA_TrgBasedScaleFactor_Llls_M_f32			
TrqLOA_TloaCmd_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

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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_Uls_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

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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_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	0.937400222		
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 Va	alue 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	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	
FrgLOA LatAccScaleFactor Uls M f32	0.891314507	
FrgLOA LatAccelSV g M Str.SV Uls f32	0.150000006	
FrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0254999995	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	2.92311072	
rqLOA_TloaCmd_MtrNm_M_f32	4.5	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	2	
<pre>c_TrqLOA_AbsAssistThreshold_MtrNm_f32</pre>	0.15940845	
C_TrqLOA_AbsVelThreshold_MtrRadpS_f32	76.9195099	
	-40.4109612	
	43.2055435	
c_TrqLOA_FallingRampRate_UlspS_f32	-507.348114	
TrqLOA_LatAccConversionFactor_Uls_f32	0.904162347	
z_TrqLOA_LimOutput_MtrNm_f32	0.713699758	
_TrqLOA_MaxScaleFactor_Uls_f32	1	
_TrqLOA_MinScaleFactor_Uls_f32	0.510908365	
c_TrqLOA_NomDrvTrq_MtrNm_f32	4.01333714	
_TrqLOA_RisingRampRate_UlspS_f32	467.790863	
_TrqLOA_SteerRatio_Uls_f32	51.5931358	
_TrqLOA_UndersteerGrad_RadpG_f32	0.25	
_TrqLOA_Wheelbase_M_f32	19.8509865	
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	

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TrqLOA_Per1



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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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	~

_TrqLOA

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TrqLOA_Per1

Name	Input Value		
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]	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]	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	14 11 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_lgc	target_TrqLOA_Per1_LatAccelV		
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_MtrVelCR	- '-	
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_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_VehicleSp		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSp	peeu_npn_t32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	7 2074200		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-7.3074398		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1265 12012		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	1365.13013		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	743.590393 0		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	88.6752625		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value		.	
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.94082886	0.94082886	•
TrqLOA_LatAccelSV_g_M_Str.SV_UIs_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	1	1 ± 0.01	•
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	
tornet Trail OA Dard Trail OA Cond Mirhlon (22 value	10	10 1 0 04	

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

0 ± 0.01

0

target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value

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	Input Value
TrqLOA_LatAccScaleFactor_Uls_M_f32	1
TrqLOA_LatAccelSV_g_M_Str.SV_UIs_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	6.20932293
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	659.015991
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_UIs_f32	0.0276153088
k_TrqLOA_MinScaleFactor_UIs_f32	0.237777233
k_TrqLOA_NomDrvTrq_MtrNm_f32	7.01409388
k_TrqLOA_RisingRampRate_UlspS_f32	85.6128311
k_TrqLOA_SteerRatio_UIs_f32 k_TrqLOA_UndersteerGrad_RadpG_f32	83.8017349 0.239458829
k TrqLOA Wheelbase M f32	7.51533031
t2_TrqLOA_DiffGainY_UIs_u1p15[0][0]	10158
t2 TrgLOA 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_UIs_u1p15[1][3]	13107
t2_TrqLOA_DiffGainY_UIs_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]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	10158
t2_TrqLOA_DiffGainY_UIs_u1p15[5][1]	12124
t2_TrqLOA_DiffGainY_UIs_u1p15[5][2]	12780 13107
t2_TrqLOA_DiffGainY_UIs_u1p15[5][3] t2_TrqLOA_DiffGainY_UIs_u1p15[6][0]	10158
t2_TrqLOA_DiliGainY_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]	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]	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
	58163
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	20044
t_IrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4] t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5] t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	60211 60621

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TrqLOA_Per1

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_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_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	8.15013218		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.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_lgc.value	0		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	0		
Name	Actual Value Expected Value	Result	
TrgLOA LatAccScaleFactor Uls M f32	0.865557015 0.865557015		
TrqLOA_LatAccelSV_g_M_Str.SV_UIs_f32	0.243375003		
TrgLOA ScaledMtrTrgCmd MtrNm M f32	0 0 ± 0.01		
TrgLOA TloaCmd MtrNm M f32	0 0 ± 0.01		
TrgLOA TrgBasedScaleFactor Uls M f32	0.429956675 0.429956704 ± 0.01		
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0 0		
target TrqLOA Per1 TrqLOACmd MtrNm f32.value	0 0 ± 0.01		

Test Step 2.31 (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

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Input Value
13763
15729
17039
19661
13763
15729
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19661
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17039
19661 13763
15703
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19661
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15729
17039
19661
13763
15729
17039
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13763
15729
17039
19661
15892
16876
19169
26214
21120
21440
21760
22080
22400
6554
9830
13107 16384
19661
4096
4915
8192
9011
12288
13107
16384
17203
5734
10650
15974
16794
19251
20890
22938
24166
14400
14464
14528
14592
14656
14720
14784
14848
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32
target_TrqLOA_Per1_LatAcc_MpSecSq_f32
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc

TrqLOA_Per1

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Input Value 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 0.527585864 -9.15404129 target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value $target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value$ -1959.27441 target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value 302.507568 $target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value$ 0 target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value 511

Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.857205987	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_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	0.0451312065
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.34999994
TrqLOA_LatAccelSV_g_M_Str.K_UIs_f32	0.0274999999
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	2.35314679
TrqLOA_TloaCmd_MtrNm_M_f32	6.5
TrqLOA TrqBasedScaleFactor Uls M f32	2
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	8.32529926
k TrgLOA AbsVelThreshold MtrRadpS f32	396.538757
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-16.9330521
k TrqLOA DiffScaleRateLimiterRising UlspS f32	9.62668037
k TrgLOA FallingRampRate UlspS f32	-738.304871
k_TrqLOA_LatAccConversionFactor_Uls_f32	7.49069738
k_TrqLOA_LimOutput_MtrNm_f32	3.90022373
k_TrqLOA_Elinoutput_withtin_io2 k_TrqLOA_MaxScaleFactor_Uls_f32	1
k_TrgLOA_Max3caleFactor_Uls_f32	0.436335325
k_rrqLOA_wiinScaleractor_ois_is2 k_rrqLOA_NomDrvTrq_MtrNm_f32	8.80000019
k_TrqLOA_risingRampRate_UlspS_f32	957,202148
k_TrqLOA_SteerRatio_Uls_f32	20.383215
k_TrqLOA_0tcerrtatio_0is_is2	0.25
k_TrqLOA_Uheelbase_M_f32	10.1302967
12 TrqLOA_WifeGinSV Uls u1p15[0][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	19333
	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3] t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	17367
t2_TrqLOA_DillGainY_Dis_u1p15[1][0] t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	19333
	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	21299 26214
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	
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
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

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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_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]	22720		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	23040		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	23360 23680		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	24000		
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]	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]	14912		
t_TrqLOA_X_Kph_u10p6[1]	14976		
t_TrqLOA_X_Kph_u10p6[2]	15040		
t_TrqLOA_X_Kph_u10p6[3]	15104 15168		
t_TrqLOA_X_Kph_u10p6[4] t_TrqLOA_X_Kph_u10p6[5]	15232		
t_TrqLOA_X_Kph_u10p6[6]	15296		
t TrgLOA X Kph u10p6[7]	15360		
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 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_Fer1_LabAccervalid_Crit_rgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_miotAgLoamignen_Crit_igc 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	0.558684111		
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	•
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	•
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.523390174	0.523390293 ± 0.01	
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	•
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0 0 ± 0.01		





Test Step 2.33 (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_Uls_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 k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	-85.1996994 27.1538162
k TrqLOA FallingRampRate UlspS f32	-942.832275
k_TrqLOA_LatAccConversionFactor_Uls_f32	0.100000001
k TrqLOA LimOutput MtrNm f32	1.91650236
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] t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	2458 4915
t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	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
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	6226 655
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0] t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	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 1600
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]	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_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_HandwheelAuthority_UIs_f32		
target Rte Inst Ap TrqLOA.TrqLOA Perl LatAccelValid Cnt Igc	target_TrqLOA_Per1_LatAcc_MpSecSq_f32		
target Rte Inst Ap TrqLOA.TrqLOA Per1 MotAgLoaMtgtnEn Cnt Igc	target_TrqLOA_Per1_LatAccelValid_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_irqLOA_Peri_mitrvelCkr_mitrkadps_rsz target_TrqLOA_Peri_mitrvelCkr_mitrkadps_rsz		
target Rte Inst Ap TrqLOA.TrqLOA Per1 TrqLOAAvail Cnt Igc	target_IrqLOA_Per1_ReiHwPos_HwDeg_132 target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_IrqLOA_Per1_IrqLOAAvaii_Cnt_Igc target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32		
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	-2.45094824		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.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_lgc.value	0		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	144.32724		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.829600573	0.829600573	•
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_lgc.value	0	0	•
target_TrqLOA_Per1_TrqLOACmd_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





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	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_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	-7.66519117	-7.66519117		
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	416.382568			
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	286.772766	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_TrqLOA_Per1_TrqLOACmd_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_UIs_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_wintviii_i32	0.236881852	
:_TrqLOA_MinScaleFactor_Uls_f32	0.845024467	
C_TrqLOA_NomDrvTrq_MtrNm_f32	1.26870954	
:_TrqLOA_RisingRampRate_UlspS_f32	630.161194	
:_TrqLOA_SteerRatio_Uls_f32	61.5083542	
TrqLOA_SteerNatio_Gis_is2	0.25	
TrqLOA Wheelbase M f32	10.0410261	
2 TrqLOA_Wileeloase_M_I32 2 TrqLOA DiffGainY Uls u1p15[0][0]	10.0410201	
2_TrqLOA_DiliGainY_Uls_u1p15[0][0] 2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	12124	
2_TrqLOA_DiliGainY_Uis_u1p15[0][1] 2_TrqLOA_DiffGainY_Uis_u1p15[0][2]	12780	
	13107	
2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	10158	
2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	12124	
2_TrqLOA_DiffGainY_UIs_u1p15[1][1]	12780	
2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	13107	
2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	10158	
2_TrqLOA_DiffGainY_Uls_u1p15[2][0]		
2_TrqLOA_DiffGainY_UIs_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_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 13107		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3] t_TrqLOA_DiffGainX_G_u2p14[0]	5079		
t TrgLOA 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]	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_UIs_u1p15[3]	19661 22938		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4] t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	22938 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]	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] 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]	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_Handwheel		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32 target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_Iqc	target_TrqLOA_Per1_LatAcc_Mp8 target TrqLOA Per1_LatAccelVal	_	
target Rte Inst Ap TrqLOA.TrqLOA Per1 MotAgLoaMtgtnEn Cnt Igc	target TrqLOA_Per1_LatAcceival	,	
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_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	5.27947807		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	0		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-1722.43982		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value target_TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc.value	225.925964		
target_TrqLOA_Per1_venicleSpeedvalid_Cnt_igc.value 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_LatAccelSV g M Str.SV UIs f32	0.491507351	0.491507351 ± 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	0.845024467	0.845024467 ± 0.01	,
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	1	1	•
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0	0 ± 0.01	





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_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	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	1.44732964 ± 0.01	
TrqLOA_TloaCmd_MtrNm_M_f32	1.44732964	1.44732964 ± 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	1.44732964	1.44732964 ± 0.01	

Name	Input Value	
Rte Inst Ap TrqLOA	target Rte Inst Ap TrqLOA	
TrgLOA LatAccScaleFactor Uls M f32	1	
TrgLOA LatAccelSV q M Str.SV UIs f32	0.60000024	
TrgLOA LatAccelSV g M Str.K Uls f32	0.029999993	
TrgLOA ScaledMtrTrgCmd MtrNm M f32	2.64204121	
TrgLOA TloaCmd MtrNm M f32	-7.5	
TrgLOA TrgBasedScaleFactor 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	

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TrqLOA_Per1



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_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[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	target_TrqLOA_Per1_RelHwPos_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	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		

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	
	0.0305000003	
TrqLOA_LatAccelSV_g_M_Str.K_UIs_f32	2.70486045	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-7	
TrqLOA_TloaCmd_MtrNm_M_f32 TrqLOA TrqBasedScaleFactor Uls M f32	-0.940626979	
	10	
<pre><_TrqLOA_Abs\sistThreshold_MtrNm_f32</pre>		
<_TrqLOA_AbsVelThreshold_MtrRadpS_f32	429.092407	
	-93.3903503	
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	63.4560089	
k_TrqLOA_FallingRampRate_UlspS_f32	-663.422974	
k_TrqLOA_LatAccConversionFactor_Uls_f32	3.26073194	
k_TrqLOA_LimOutput_MtrNm_f32	4.96274185	
<_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	
x_TrqLOA_SteerRatio_Uls_f32	50.5	
c_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_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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N	L. Okt.		
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]	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		
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]	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	IAuthority 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 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_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_TrqLOAOrid_MitNin_isz target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc	target TrqLOA_Per1_TrqLOACh		
target Rte Inst Ap TrqLOA.TrqLOA Per1_VenicleSpeedvalid_Cnt_igc target Rte Inst Ap TrqLOA.TrqLOA Per1 VehicleSpeed Kph f32		·	
	target_TrqLOA_Per1_VehicleSpe	σου_πριι_ισε	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0.453732014		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-1.86167538		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	0		
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	✓
TIQLOA_TIQDasedScalet actor_Ols_W_132			
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	✓



Test Step 2.39 (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	0.0309999995
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 8.8000019
k_TrqLOA_LiniOutput_MinNin_132 k_TrqLOA_MaxScaleFactor_Uls_f32	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_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] t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	6554 8192
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	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_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_Uls_u1p15[5][3] t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	9830 6554
t2_TrqLOA_DiliGainY_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] t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	10560 10880
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	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_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_Igc		
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	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	

Test Step 2.40 (Repeat Count = 1)	ر.
Name	Input Value
Rte Inst Ap TrqLOA	target Rte Inst Ap TrqLOA
TrqLOA LatAccScaleFactor UIs 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
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-72.0533371
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	26.9691505
k_TrqLOA_FallingRampRate_UlspS_f32	-541.51355
k_TrqLOA_LatAccConversionFactor_Uls_f32	8.52130985
k_TrqLOA_LimOutput_MtrNm_f32	8.51498795
k_TrqLOA_MaxScaleFactor_Uls_f32	0.482157707
k_TrqLOA_MinScaleFactor_Uls_f32	1
k_TrqLOA_NomDrvTrq_MtrNm_f32	8.80000019
k_TrqLOA_RisingRampRate_UlspS_f32	377.945801
k_TrqLOA_SteerRatio_Uls_f32	22.4222202
k_TrqLOA_UndersteerGrad_RadpG_f32	0.25
k_TrqLOA_Wheelbase_M_f32	20
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	10158

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TrqLOA_Per1

Maria	Innué Value
Name	Input Value
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	12780
t2_TrqLOA_DiffGainY_UIs_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_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]	14090
t_TrqLOA_DiffGainX_G_u2p14[1]	15073

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	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_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	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			
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	0.482157707 ± 0.01	✓	
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	✓	

-0.714185953

-0.71418643 ± 0.01

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	0.20000003	
FrgLOA LatAccelSV g M Str.K Uls f32	0.0320000015	
TrqLOA ScaledMtrTrqCmd MtrNm M f32	-7.4488926	
TrqLOA_TloaCmd_MtrNm_M_f32	-5.5	
FrqLOA_TrqBasedScaleFactor_Uls_M_f32	1.38082528	
c_TrqLOA_AbsAssistThreshold_MtrNm_f32	4.01863813	
c_TrqLOA_AbsVelThreshold_MtrRadpS_f32	439.142059	
TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-64.187973	
TrqLOA DiffScaleRateLimiterRising UlspS f32	75.3866577	
TrqLOA FallingRampRate UlspS f32	-304.928375	
TrqLOA LatAccConversionFactor Uls f32	0.418666095	
_TrqLOA_LimOutput_MtrNm_f32	5.07386923	
C_TrqLOA_Limoutput_iviinviii_i32	1	
:_TrqLOA_MinScaleFactor_UIs_f32	1	
C_TrqLOA_NomDrvTrq_MtrNm_f32	1.03548336	
:_TrqLOA_RisingRampRate_UlspS_f32	402.346283	
:_TrqLOA_SteerRatio_Uls_f32	51.4531326	
TrqLOA_SteerNatio_Gis_is2	0.25	
TrqLOA Wheelbase M f32	13.5	
2 TrgLOA DiffGainY Uls u1p15[0][0]	13763	
2_TrqLOA_DilfGainY_Uls_u1p15[0][0] 2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	15729	
2_TrqLOA_DiliGainY_Uis_u1p15[0][1] 2_TrqLOA_DiffGainY_Uis_u1p15[0][2]	17039	
	19661	
2_TrqLOA_DiffGainY_Uls_u1p15[0][3] 2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	13763	
	15729	
2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	17039	
2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	19661	
2_TrqLOA_DiffGainY_Uls_u1p15[1][3]		
2_TrqLOA_DiffGainY_Uls_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	
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_UIs_u1p15[4][3]	19661	
2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	13763	
2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	15729	
12_TrqLOA_DiffGainY_Uls_u1p15[5][2]	17039	
12_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_UIs_u1p15[6][3]	19661		
t2_TrqLOA_DiffGainY_Uls_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]	15892		
t_TrqLOA_DiffGainX_G_u2p14[1] t_TrqLOA_DiffGainX_G_u2p14[2]	16876 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]	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]	13926		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	22938		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	24166 20890		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	27443		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4] 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		
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_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_Igc	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	eu_npn_t32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0.487862706		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value target TrqLOA_Per1_LatAccelValid Cnt lqc.value	-4.19902897 0		
target_TrqLOA_Per1_LatAccelvalid_Cnt_lgc.value 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	rtoouit
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	
TrqLOA_TloaCmd_MtrNm_M_f32	-0.0281592235	-0.0281592179 ± 0.01	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	1	1 ± 0.01	•
	0	0	•
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	U	0	





Test Step 2.42 (Repeat Count = 1)	L. W.
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	0.979087591 0.25
TrqLOA_LatAccelSV_g_M_Str.SV_0is_is2 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	-4.07561636
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	18.7742119
k_TrqLOA_FallingRampRate_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 k_TrqLOA_NomDrvTrq_MtrNm_f32	0.174004555
k_TrqLOA_NoInDIVTrq_MtNIII_132 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
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 21299
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2] t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[2][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_rrqLOA_biir6aiir1_bis_u1p15[6][0] t2_rrqLOA_biffGainY_Uls_u1p15[6][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	19333
t2_TrqLOA_DiffGainY_UIs_u1p15[6][2]	21299
t2 TrgLOA 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] t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	15040 15360
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	15680
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	16000
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





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]	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_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_l	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_lgc.value	0		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	312.297913	I=	1
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.970936358	0.970936358	•
TrqLOA_LatAccelSV_g_M_Str.SV_UIs_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	•
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	-0.2711339	-0.2711339 ± 0.01	

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	0.300000012	
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.032999998	
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	





Name	Input Value
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_UIs_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_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_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_UIs_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][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_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 328
t_TrqLOA_DiffGainX_G_u2p14[0] t_TrqLOA_DiffGainX_G_u2p14[1]	1229
t_TrqLOA_DiffGainX_G_u2p14[1]	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] 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]	4915
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1] t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	9421 15155
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	16384
t TrqLOA_TempTrqCmdSatYTbl_wtrNm_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 20928
t_TrqLOA_X_Kph_u10p6[6] t_TrqLOA_X_Kph_u10p6[7]	20928
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_rtte_inst_Ap_rrqLoA.rrqLoA_rer_LatAccervand_ont_ige	target_riqeox_r er r_eatAccervania_ont_ige

target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value





Name	Input Value		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_	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_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	0.212739348		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	5.64538431		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	1608.55676		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-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	

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Nama	Input Value		
Name	Input Value		
t2_TrqLOA_DiffGainY_UIs_u1p15[6][1]	8192		
t2_TrqLOA_DiffGainY_UIs_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]	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		
	20480		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	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]	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]	21056		
t_TrqLOA_X_Kph_u10p6[1]	21120		
t_TrqLOA_X_Kph_u10p6[2]	21184		
t TrqLOA X Kph u10p6[3]	21248		
	21312		
t_TrqLOA_X_Kph_u10p6[4]	21376		
t_TrqLOA_X_Kph_u10p6[5]			
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		
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	d_Cnt_lgc	
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_	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_Igc	target_TrqLOA_Per1_TrqLOAAvai	I_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_VehicleSpee	edValid_Cnt_lgc	
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	-4.76852036		
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		1
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_Igc.value	0	0	→
	1		

0.209976807

target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value

0.209976807 ± 0.01





Test Step 2.45 (Repeat Count = 1)	
Name	Input Value
Rte_Inst_Ap_TrqLOA	target Rte Inst Ap TrqLOA
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.627236724
TrgLOA 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
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	2
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	0
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	430.677612
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-62.066864
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	66.5156021
k_TrqLOA_FallingRampRate_UlspS_f32	-752.498779 1.46957707
k_TrqLOA_LatAccConversionFactor_Uls_f32 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_Uls_u1p15[0][2]	12780
t2_TrqLOA_DiffGainY_UIs_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_UIs_u1p15[4][3] t2_TrqLOA_DiffGainY_UIs_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_UIs_u1p15[7][2]	12780
t2_TrqLOA_DiffGainY_UIs_u1p15[7][3]	13107 5079
t_TrqLOA_DiffGainX_G_u2p14[0] 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_UIs_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 36864
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[u] t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	37683
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]	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_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	-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 Expec	ted Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.503103018 0.50310	3018	•
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.352928221 0.35292	28221 ± 0.01	•
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-0.0706770122 -0.0706	770048 ± 0.01	•
TrqLOA_TloaCmd_MtrNm_M_f32	-0.0706770122 -0.0706	770048 ± 0.01	•
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.877906442 0.87790	06442 ± 0.01	•
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0 0		
target TrgLOA Per1 TrgLOACmd MtrNm f32.value	-0.0706770122 -0.0706	770048 ± 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
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_UIs_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 13763
t2_TrqLOA_DiffGainY_UIs_u1p15[5][0]	
t2_TrqLOA_DiffGainY_UIs_u1p15[5][1]	15729
t2_TrqLOA_DiffGainY_UIs_u1p15[5][2]	17039
t2_TrqLOA_DiffGainY_UIs_u1p15[5][3]	19661 13763
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0] t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2] t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	17039 19661
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	13763
t2_TrqLOA_DiliGainY_Uls_u1p15[7][0]	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 TrgLOA HighSpeedTrgBlend 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]	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]	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]	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_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_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_I	HwDeg_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc	target_TrqLOA_Per1_TrqLOAAvai	I_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmo	I_MtrNm_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	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	0.0314078331			
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	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_biirGainY_bis_u1p15[7][0] 2_rrqLOA_bifGainY_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_Uis_u1p15[2][2] 2_TrqLOA_DiffGainY_Uis_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	
z_frqLOA_biliGalifY_bis_u1p15[4][b] 2 TrqLOA_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] t_TrqLOA_DiffGainX_G_u2p14[3]	10650 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		
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]	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_Y_Kab_ut0ec(0)	26624		
t_TrqLOA_X_Kph_u10p6[0] t_TrqLOA_X_Kph_u10p6[1]	22592		
t_TrqLOA_X_Kph_u10p6[2]	22656 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_Handwhee	AlAuthority 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_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	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	-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_Igc.value	1 405 51712		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	495.51712	Paris of the Paris	
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	•
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	
Trail OA Tlag Cond Marking M. 600		0 ± 0.01	· ·
TrqLOA_TloaCmd_MtrNm_M_f32			
TrqLOA_TloaCmd_MtrNm_M_f32 TrqLOA_TrqBasedScaleFactor_Uls_M_f32 target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	1	1 ± 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
TrgLOA 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
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	8.13665009
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	70.0263748
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-8.00514412
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	99.516716 -163.67894
k_TrqLOA_FallingRampRate_UlspS_f32 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_UIs_u1p15[0][0]	655
t2_TrqLOA_DiffGainY_UIs_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_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_UIs_u1p15[4][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1] t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	2458 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_Uls_u1p15[7][0]	655 2458
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1] 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]	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]	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_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	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 Va	alue Result	
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.72240591 0.72240591	•	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.539416969 0.539416969 ±		
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0.101881564 0.101881497 ±		
TrqLOA_TloaCmd_MtrNm_M_f32	0.101881564 0.101881497 ±		
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	1.53208458 ± 1.53208458 ±		
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

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	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_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	0.20604527		
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	✓

0

0 ± 0.01

lame	Input Value	
te_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA	
rqLOA LatAccScaleFactor UIs M f32	1	
rqLOA_LatAccelSV g M Str.SV Uls f32	0.649999976	
rqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0364999995	
rqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	2.5	
rqLOA_ScaledwithqCind_MithNii_M_i32	-1	
rqLOA_rioachid_mithin_m_is2	0.81958282	
_TrqLOA_AbsAssistThreshold_MtrNm_f32	4.57627153	
TrgLOA AbsVelThreshold MtrRadpS f32	757.782959	
	-98.6409302	
_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-96.0 4 09302 48.0470161	
_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	-904.874451	
_TrqLOA_FallingRampRate_UlspS_f32		
_TrqLOA_LatAccConversionFactor_Uls_f32	5.27001953	
_TrqLOA_LimOutput_MtrNm_f32	0.89368403	
_TrqLOA_MaxScaleFactor_Uls_f32	·	
_TrqLOA_MinScaleFactor_Uls_f32	0.102830887	
_TrqLOA_NomDrvTrq_MtrNm_f32	8.80000019	
_TrqLOA_RisingRampRate_UlspS_f32	383.200195	
_TrqLOA_SteerRatio_Uls_f32	23.5942974	
_TrqLOA_UndersteerGrad_RadpG_f32	0.25	
_TrqLOA_Wheelbase_M_f32	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	
P_TrqLOA_DiffGainY_Uls_u1p15[1][1]	12124	
P_TrqLOA_DiffGainY_Uls_u1p15[1][2]	12780	
P_TrqLOA_DiffGainY_Uls_u1p15[1][3]	13107	
P_TrqLOA_DiffGainY_Uls_u1p15[2][0]	10158	
P_TrqLOA_DiffGainY_Uls_u1p15[2][1]	12124	
P_TrqLOA_DiffGainY_Uls_u1p15[2][2]	12780	
P_TrqLOA_DiffGainY_Uls_u1p15[2][3]	13107	
P_TrqLOA_DiffGainY_Uls_u1p15[3][0]	10158	
P_TrqLOA_DiffGainY_Uls_u1p15[3][1]	12124	
2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	12780	
P_TrqLOA_DiffGainY_Uls_u1p15[3][3]	13107	
2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	10158	
P_TrqLOA_DiffGainY_Uls_u1p15[4][1]	12124	
2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	12780	
P_TrqLOA_DiffGainY_Uls_u1p15[4][3]	13107	
2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	10158	
P_TrqLOA_DiffGainY_Uls_u1p15[5][1]	12124	
2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	12780	
2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	13107	
P_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_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 15073		
t_TrqLOA_DiffGainX_G_u2p14[1] 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]	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 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]	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]	24128		
t_TrqLOA_X_Kph_u10p6[1]	24192		
t_TrqLOA_X_Kph_u10p6[2]	24256		
t_TrqLOA_X_Kph_u10p6[3]	24320 24384		
t_TrqLOA_X_Kph_u10p6[4] t_TrqLOA_X_Kph_u10p6[5]	24364		
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 HandwheelAuti	hority Uls f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target TrqLOA Per1 LatAcc MpSec	,	
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	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		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_N		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc	target_TrqLOA_Per1_VehicleSpeedV		
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	-9.82586098		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	87.9351654		
target_TrqLOA_Per1_mitrveiCRF_mitrkaaps_132.value target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	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	Result
TrqLOA LatAccelSV g M Str.SV Uls f32	0.670124829	0.602716163 0.670124829 ± 0.01	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0.107311517	0.10731151 ± 0.01	
TrqLOA_TloaCmd_MtrNm_M_f32	0.107311517	0.10731151 ± 0.01	·
· - · · · · - · - · - · · - · · · · · ·		0.102830887 ± 0.01	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.102830887	U.102030007 ± U.U1	✓
TrqLOA_TrqBasedScaleFactor_Uls_M_f32 target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0.102830887	0.102630667 ± 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	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_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_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_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	
_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_MtrVelCF	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_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_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	0.0912983418		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-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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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		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	8960 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 576		
t_TrqLOA_X_Kph_u10p6[0]	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_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	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	0		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-1996.67395 -417.604858		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	-417.604858 0		
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_LatAcceISV_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_noacnio_winwin_w_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	
TrgLOA 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	-60.1902962	
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	14.1096458	
k_TrqLOA_FallingRampRate_UlspS_f32	-916.19989 4.97509384	
k_TrqLOA_LatAccConversionFactor_Uls_f32 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]	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_UIs_u1p15[1][1]	8192	
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2] t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	9503 9830	
t2_TrqLOA_DiffGainY_Uls_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_UIs_u1p15[4][1]	8192	
t2_TrqLOA_DiffGainY_UIs_u1p15[4][2]	9503 9830	
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3] 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	
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]	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 16384	
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3] t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	19661	
t_TrqLOA_HighSpeedTrqBiend_Y_Ois_u1p15[4] 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_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	0.764021397		
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	

Name	Input Value	
Rte_Inst_Ap_TrqLOA	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_Uls_u1p15[0][0]	10158	





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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



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_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	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		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	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	
<pre><_rrqLOA_AbsVelThreshold_MtrRadpS_f32</pre>	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 allingreampreace_oispo_isz	7.02576303	
k_TrqLOA_LimOutput_MtrNm_f32	2.79434323	
k_TrqLOA_LimOutput_MithIII_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_RadpC_f23	0.25	
<pre><_TrqLOA_UndersteerGrad_RadpG_f32</pre>	1.11183953	
k_TrqLOA_Wheelbase_M_f32 12 TrqLOA DiffGainY Uls u1p15[0][0]	13763	
	15729	
t2_TrqLOA_DiffGainY_Uls_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_Uls_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	
t2_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	
t2_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	
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_UIs_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]	9830		
t_TrqLOA_DiffGainX_G_u2p14[3]	13120		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0] 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]	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_TrqLOA_X_Kph_u10p6[2]	2240 2304		
t_TrqLOA_X_Kph_u10p6[3]	2368		
t_TrqLOA_X_Kph_u10p6[4] 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_Handwheel	Authority IIIs 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 Igc	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	ed_Kph_f32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	1		
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 ± 0.01	•
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	•
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-0.889974177	-0.889974236 ± 0.01	•
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	•
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0	0 ± 0.01	•





Test Step 2.57 (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_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
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_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_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	-8.75550842		
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	
TrgLOA LatAccelSV g M Str.SV Uls f32	0.449999988	
TrqLOA LatAccelSV q M Str.K Uls f32	0.0405000001	
TrgLOA ScaledMtrTrgCmd 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_UIs_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_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] t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	6226 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
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] t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	6226 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_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 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
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	13107 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] t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	11878 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
t_TrqLOA_X_Kph_u10p6[3]	3328
t_TrqLOA_X_Kph_u10p6[4]	3392
t_TrqLOA_X_Kph_u10p6[5]	3456 3520
t_TrqLOA_X_Kph_u10p6[6] t_TrqLOA_X_Kph_u10p6[7]	3584
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_rtte_met_rtp_rrqteort.rrqteort_rerr_tartteoervand_ent_ige	target_rideox_r or r_tarxeervalid_ont_rige





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_RelHwPe	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	speed_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	
TrqLOA ScaledMtrTrqCmd MtrNm M f32	8.80000019	
TrqLOA_TloaCmd_MtrNm_M_f32	3.5	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	2	
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	5.57446289	
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	876.234863	
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-46.2754173	
k TrgLOA DiffScaleRateLimiterRising UlspS f32	16.0770454	
k TrqLOA FallingRampRate UlspS f32	-197.560303	
k TrgLOA LatAccConversionFactor Uls f32	7.72955799	
k_TrqLOA_LimOutput_MtrNm_f32	3.87198281	
k_TrqLOA_LiniOdiput_Mithin_i32	0.600276589	
k_TrqLOA_MinScaleFactor_Uls_f32	0.000270309	
k_TrqLOA_NomDrvTrq_MtrNm_f32	8.80000019	
k_TrqLOA_RisingRampRate_UlspS_f32	421.95636	
k_TrqLOA_SteerRatio_Uls_f32	44.7789497	
k TrqLOA_Gleen\alio_Gls_i32	0.25	
k TrqLOA_UndersteerGrau_reaupg_lb2	12.674366	
t2 TrqLOA_WifeGinaSe_W_IS2 t2 TrqLOA DiffGainY Uls u1p15[0][0]	6554	
t2_TrqLOA_DiliGainY_Uls_u1p15[0][0] 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	
	8192	
12_TrqLOA_DiffGainY_Uls_u1p15[1][1]	9503	
I2_TrqLOA_DiffGainY_UIs_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	
12_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	
12_TrqLOA_DiffGainY_UIs_u1p15[4][3]	9830	
I2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	6554	
I2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	8192	
12_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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N	L			
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]	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			
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			
	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]	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_Handwhee	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 Igc	target TrqLOA Per1 LatAccelV			
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 MtrVelCR			
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_TrqLOACı			
target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSp			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSp	eed_Kph_f32		
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0.55655992			
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	Rosult	
			· ·	
TrqLOA_LatAccelSV_g_M_Str.SV_UIs_f32 TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f22	0.504466712	0.504466712 ± 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	1.60487938	1.60487938 ± 0.01	~	
tament Trail OA Dard Trail OAAssall Oat Incombine	0	0	•	
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0	0 ± 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_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_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	(ph_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	

TrqLOA_Per1

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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_Uls_u1p15[7][3] 19661 $t_TrqLOA_DiffGainX_G_u2p14[0]$ 15892 t TrqLOA DiffGainX G u2p14[1] 16876

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_I	HwDeg_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc	target_TrqLOA_Per1_TrqLOAAvai	I_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmo	I_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	0.325643182			
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			
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	✓	

1.1167767

1.1167767 ± 0.01

lame	Input Value	
tte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA	
rqLOA LatAccScaleFactor Uls M f32	1	
rqLOA_LatAccelSV g M Str.SV Uls f32	0.649999976	
	0.0425000004	
rqLOA_LatAccelSV_g_M_Str.K_UIs_f32	-2.67422986	
rqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-2.07422900 5	
rqLOA_TloaCmd_MtrNm_M_f32	-2	
rqLOA_TrqBasedScaleFactor_Uls_M_f32	9.5640955	
_TrqLOA_Abs/scistThreshold_MtrNm_f32		
_TrqLOA_AbsVelThreshold_MtrRadpS_f32	748.600159	
_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-71.7383728	
_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	27.6928959	
_TrqLOA_FallingRampRate_UlspS_f32	-96.2159729	
_TrqLOA_LatAccConversionFactor_Uls_f32	2.10660577	
_TrqLOA_LimOutput_MtrNm_f32	8.80000019	
_TrqLOA_MaxScaleFactor_Uls_f32	1	
_TrqLOA_MinScaleFactor_Uls_f32	0.268023968	
_TrqLOA_NomDrvTrq_MtrNm_f32	8.01241589	
_TrqLOA_RisingRampRate_UlspS_f32	761.766296	
_TrqLOA_SteerRatio_Uls_f32	51.8408661	
_TrqLOA_UndersteerGrad_RadpG_f32	0.25	
_TrqLOA_Wheelbase_M_f32	2.65969491	
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	
	21299	
2_TrqLOA_DiffGainY_UIs_u1p15[5][2]	26214	
2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	20214	

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TrqLOA_Per1



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_UIs_u1p15[7][3]	26214		
t_TrqLOA_DiffGainX_G_u2p14[0]	17695		
	18678		
t_TrqLOA_DiffGainX_G_u2p14[1]	21299		
t_TrqLOA_DiffGainX_G_u2p14[2]			
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]	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		
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]	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_HandwheelA		
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		
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_VehicleSpee		
target Rte Inst Ap TrqLOA.TrqLOA Per1 VehicleSpeed Kph f32	target_TrqLOA_Per1_VehicleSpee		
target TrqLOA Per1 HandwheelAuthority Uls f32.value	1		
	-2.9048202		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value			
target_TrqLOA_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_Uls_f32	0.624545872	0.624545872 ± 0.01	•
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0.024343872 1 0.01	
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	_
	-0.476467371	-0.476467431 ± 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 2.63 (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_UIs_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_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_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_		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpeed_Kph_	132	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value target TrqLOA Per1 LatAcc MpSecSq f32.value	0.820146441 -5.4794178		
target TrqLOA Per1 LatAccelValid Cnt Igc.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 Igc.value	0		
target TrqLOA Per1 VehicleSpeed Kph f32.value	395.937531		
Name	Actual Value	Expected Value	Result
	0.906795561	0.906795561	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32 TrqLOA LatAccelSV g M Str.SV Uls f32	0.163966477	0.906795561 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	

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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_MtrVelCl	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	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	0.825533628			
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	1		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	1207.13953	1207.13953		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	863.729614	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	✓	

Test Step 2.65 (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	
	0.20000003	
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	8.17687893	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	6.5	
TrqLOA_TloaCmd_MtrNm_M_f32 TrqLOA_TrqBasedScaleFactor Uls M f32	0.5	
· - ·	6.695158	
<pre><_TrqLOA_Abs/sistThreshold_MtrNm_f32</pre>		
<_TrqLOA_AbsVelThreshold_MtrRadpS_f32	223.666779	
	-63.652092	
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	90.6142044	
k_TrqLOA_FallingRampRate_UlspS_f32	-905.111084	
k_TrqLOA_LatAccConversionFactor_Uls_f32	3.18578172	
k_TrqLOA_LimOutput_MtrNm_f32	4.45736408	
k_TrqLOA_MaxScaleFactor_Uls_f32	0.556143165	
k_TrqLOA_MinScaleFactor_Uls_f32	0.31155026	
k_TrqLOA_NomDrvTrq_MtrNm_f32	8.80000019	
k_TrqLOA_RisingRampRate_UlspS_f32	727.072083	
x_TrqLOA_SteerRatio_Uls_f32	77.6913376	
k_TrqLOA_UndersteerGrad_RadpG_f32	0.25	
x_TrqLOA_Wheelbase_M_f32	13.2761326	
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	
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	
12_TrqLOA_DiffGainY_Uls_u1p15[5][2]	12780	
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	13107	
12_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_UIs_u1p15[7][1]	12124		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	12780		
t2_TrqLOA_DiffGainY_UIs_u1p15[7][3]	13107 5079		
t_TrqLOA_DiffGainX_G_u2p14[0] t_TrqLOA_DiffGainX_G_u2p14[1]	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]	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]	12288 20480		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1] 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]	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_Handwheel		
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_LatAccelVal	0	
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_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_RelHwPos_l target_TrqLOA_Per1_TrqLOAAvai		
target Rte Inst Ap TrqLOA.TrqLOA Per1 TrqLOACmd MtrNm f32	target_TrqLOA_Per1_TrqLOACmo		
target Rte Inst Ap TrqLOA.TrqLOA Perl 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	<u>-</u>	
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	3.79644442		
target TrqLOA Per1 LatAccelValid Cnt Igc.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_Uls_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	•
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.31155026	0.31155026 ± 0.01	•
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	•
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0	0 ± 0.01	





Test Step 2.66 (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
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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]	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]	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_HandwheelAuth	nority_Uls_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSec		
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_MotAgLoaMtgtr	nEn_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_Mtr	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_Igc	target_TrqLOA_Per1_TrqLOAAvail_C	Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_M	1trNm_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc	target_TrqLOA_Per1_VehicleSpeedV	/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	0.652412415		
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	~

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	

0

0 ± 0.01

target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value

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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_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]	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 21299
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2] t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	17367
t2_TrqLOA_DiffGainY_UIs_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_UIs_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_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]	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_UIs_u1p15[0]	6554 9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2] t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	13107 16384
t_TrqLOA_HighSpeedTrqBlend_Y_UIs_u1p15[4]	19661
t_TrqLOA_attAccGain_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
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]	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
D	
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_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	~

Inst_Ap_TrqLOA LOA_LatAccScaleFactor_Uls_M_f32 LOA_LatAccelSV_g_M_Str.SV_Uls_f32 LOA_LatAccelSV_g_M_Str.K_Uls_f32 LOA_ScaledMtrTrqCmd_MtrNm_M_f32 LOA_TloaCmd_MtrNm_M_f32 LOA_TrqBasedScaleFactor_Uls_M_f32 rqLOA_AbsAssistThreshold_MtrNm_f32 rqLOA_DiffScaleRateLimiterFalling_UlspS_f32 rqLOA_DiffScaleRateLimiterFalling_UlspS_f32 rqLOA_FallingRampRate_UlspS_f32 rqLOA_LatAccConversionFactor_Uls_f32 rqLOA_LimOutput_MtrNm_f32 rqLOA_MaxScaleFactor_Uls_f32 rqLOA_MinScaleFactor_Uls_f32 rqLOA_MinScaleFactor_Uls_f32 rqLOA_NomDrvTrq_MtrNm_f32 rqLOA_NomDrvTrq_MtrNm_f32 rqLOA_RisingRampRate_UlspS_f32	Input Value target_Rte_Inst_Ap_TrqLOA 1 0.349999994 0.0454999991 1.49777293 8 0.295269966 9.363307 56.798336 -61.001091 98.7214127 0 6.27368927 8.22940922 0.735090733
LOA_LatAccScaleFactor_Uls_M_f32 LOA_LatAccelSV_g_M_Str.SV_Uls_f32 LOA_LatAccelSV_g_M_Str.K_Uls_f32 LOA_ScaledMtrTrqCmd_MtrNm_M_f32 LOA_TloaCmd_MtrNm_M_f32 LOA_TrqBasedScaleFactor_Uls_M_f32 rqLOA_AbsAssistThreshold_MtrNm_f32 rqLOA_AbsAssistThreshold_MtrRadpS_f32 rqLOA_DiffScaleRateLimiterFalling_UlspS_f32 rqLOA_DiffScaleRateLimiterRising_UlspS_f32 rqLOA_FallingRampRate_UlspS_f32 rqLOA_LatAccConversionFactor_Uls_f32 rqLOA_LimOutput_MtrNm_f32 rqLOA_MaxScaleFactor_Uls_f32 rqLOA_MinScaleFactor_Uls_f32 rqLOA_NomDrvTrq_MtrNm_f32 rqLOA_NomDrvTrq_MtrNm_f32 rqLOA_RisingRampRate_UlspS_f32	1 0.349999994 0.0454999991 1.49777293 8 0.295269966 9.363307 56.798336 -61.001091 98.7214127 0 6.27368927 8.22940922 0.735090733
LOA_LatAccelSV_g_M_Str.SV_UIs_f32 LOA_LatAccelSV_g_M_Str.K_UIs_f32 LOA_ScaledMtrTrqCmd_MtrNm_M_f32 LOA_TloaCmd_MtrNm_M_f32 LOA_TrqBasedScaleFactor_UIs_M_f32 rqLOA_AbsAssistThreshold_MtrNm_f32 rqLOA_DiffScaleRateLimiterFalling_UIspS_f32 rqLOA_DiffScaleRateLimiterRising_UIspS_f32 rqLOA_FallingRampRate_UIspS_f32 rqLOA_LatAccConversionFactor_UIs_f32 rqLOA_LimOutput_MtrNm_f32 rqLOA_MaxScaleFactor_UIs_f32 rqLOA_MinScaleFactor_UIs_f32 rqLOA_NomDrvTrq_MtrNm_f32 rqLOA_NomDrvTrq_MtrNm_f32 rqLOA_RisingRampRate_UIspS_f32	0.34999994 0.045499991 1.49777293 8 0.295269966 9.363307 56.798336 -61.001091 98.7214127 0 6.27368927 8.22940922 0.735090733
LOA_LatAccelSV_g_M_Str.K_Uls_f32 LOA_ScaledMtrTrqCmd_MtrNm_M_f32 LOA_TloaCmd_MtrNm_M_f32 LOA_TrqBasedScaleFactor_Uls_M_f32 rqLOA_AbsAssistThreshold_MtrNm_f32 rqLOA_DiffScaleRateLimiterFalling_UlspS_f32 rqLOA_DiffScaleRateLimiterRising_UlspS_f32 rqLOA_FallingRampRate_UlspS_f32 rqLOA_LatAccConversionFactor_Uls_f32 rqLOA_LimOutput_MtrNm_f32 rqLOA_MaxScaleFactor_Uls_f32 rqLOA_MinScaleFactor_Uls_f32 rqLOA_NomDrvTrq_MtrNm_f32 rqLOA_NomDrvTrq_MtrNm_f32 rqLOA_RisingRampRate_UlspS_f32	0.0454999991 1.49777293 8 0.295269966 9.363307 56.798336 -61.001091 98.7214127 0 6.27368927 8.22940922 0.735090733
LOA_ScaledMtrTrqCmd_MtrNm_M_f32 LOA_TloaCmd_MtrNm_M_f32 LOA_TrqBasedScaleFactor_Uls_M_f32 rqLOA_AbsAssistThreshold_MtrNm_f32 rqLOA_DiffScaleRateLimiterFalling_UlspS_f32 rqLOA_DiffScaleRateLimiterRising_UlspS_f32 rqLOA_FallingRampRate_UlspS_f32 rqLOA_LatAccConversionFactor_Uls_f32 rqLOA_LimOutput_MtrNm_f32 rqLOA_MaxScaleFactor_Uls_f32 rqLOA_MinScaleFactor_Uls_f32 rqLOA_NomDrvTrq_MtrNm_f32 rqLOA_NomDrvTrq_MtrNm_f32 rqLOA_RisingRampRate_UlspS_f32	1.49777293 8 0.295269966 9.363307 56.798336 -61.001091 98.7214127 0 6.27368927 8.22940922 0.735090733
LOA_TloaCmd_MtrNm_M_f32 LOA_TrqBasedScaleFactor_Uls_M_f32 rqLOA_AbsAssistThreshold_MtrNm_f32 rqLOA_DiffScaleRateLimiterFalling_UlspS_f32 rqLOA_DiffScaleRateLimiterRising_UlspS_f32 rqLOA_DiffScaleRateLimiterRising_UlspS_f32 rqLOA_FallingRampRate_UlspS_f32 rqLOA_LatAccConversionFactor_Uls_f32 rqLOA_LimOutput_MtrNm_f32 rqLOA_MaxScaleFactor_Uls_f32 rqLOA_MinScaleFactor_Uls_f32 rqLOA_NomDrvTrq_MtrNm_f32 rqLOA_RisingRampRate_UlspS_f32	8 0.295269966 9.363307 56.798336 -61.001091 98.7214127 0 6.27368927 8.22940922 0.735090733
LOA_TrqBasedScaleFactor_Uls_M_f32 rqLOA_AbsAssistThreshold_MtrNm_f32 rqLOA_AbsVelThreshold_MtrRadpS_f32 rqLOA_DiffScaleRateLimiterFalling_UlspS_f32 rqLOA_DiffScaleRateLimiterRising_UlspS_f32 rqLOA_FallingRampRate_UlspS_f32 rqLOA_LatAccConversionFactor_Uls_f32 rqLOA_LimOutput_MtrNm_f32 rqLOA_MaxScaleFactor_Uls_f32 rqLOA_MinScaleFactor_Uls_f32 rqLOA_NomDrvTrq_MtrNm_f32 rqLOA_RisingRampRate_UlspS_f32	0.295269966 9.363307 56.798336 -61.001091 98.7214127 0 6.27368927 8.22940922 0.735090733
rqLOA_AbsAssistThreshold_MtrNm_f32 rqLOA_AbsVelThreshold_MtrRadpS_f32 rqLOA_DiffScaleRateLimiterFalling_UlspS_f32 rqLOA_DiffScaleRateLimiterRising_UlspS_f32 rqLOA_FallingRampRate_UlspS_f32 rqLOA_LatAccConversionFactor_Uls_f32 rqLOA_LimOutput_MtrNm_f32 rqLOA_MaxScaleFactor_Uls_f32 rqLOA_MinScaleFactor_Uls_f32 rqLOA_NomDrvTrq_MtrNm_f32 rqLOA_NomDrvTrq_MtrNm_f32	9.363307 56.798336 -61.001091 98.7214127 0 6.27368927 8.22940922 0.735090733
rqLOA_AbsVelThreshold_MtrRadpS_f32 rqLOA_DiffScaleRateLimiterFalling_UlspS_f32 rqLOA_DiffScaleRateLimiterRising_UlspS_f32 rqLOA_FallingRampRate_UlspS_f32 rqLOA_LatAccConversionFactor_Uls_f32 rqLOA_LimOutput_MtrNm_f32 rqLOA_MaxScaleFactor_Uls_f32 rqLOA_MinScaleFactor_Uls_f32 rqLOA_NomDrvTrq_MtrNm_f32 rqLOA_NomDrvTrq_MtrNm_f32 rqLOA_RisingRampRate_UlspS_f32	56.798336 -61.001091 98.7214127 0 6.27368927 8.22940922 0.735090733
rqLOA_DiffScaleRateLimiterFalling_UlspS_f32 rqLOA_DiffScaleRateLimiterFalling_UlspS_f32 rqLOA_FallingRampRate_UlspS_f32 rqLOA_LatAccConversionFactor_Uls_f32 rqLOA_LimOutput_MtrNm_f32 rqLOA_MaxScaleFactor_Uls_f32 rqLOA_MinScaleFactor_Uls_f32 rqLOA_NomDrvTrq_MtrNm_f32 rqLOA_RisingRampRate_UlspS_f32	-61.001091 98.7214127 0 6.27368927 8.22940922 0.735090733
rqLOA_DiffScaleRateLimiterRising_UlspS_f32 irqLOA_FallingRampRate_UlspS_f32 irqLOA_LatAccConversionFactor_Uls_f32 irqLOA_LimOutput_MtrNm_f32 irqLOA_MaxScaleFactor_Uls_f32 irqLOA_MinScaleFactor_Uls_f32 irqLOA_NomDrvTrq_MtrNm_f32 irqLOA_RisingRampRate_UlspS_f32	98.7214127 0 6.27368927 8.22940922 0.735090733
rqLOA_FallingRampRate_UlspS_f32 rqLOA_LatAccConversionFactor_Uls_f32 rqLOA_LimOutput_MtrNm_f32 rqLOA_MaxScaleFactor_Uls_f32 rqLOA_MinScaleFactor_Uls_f32 rqLOA_NomDrvTrq_MtrNm_f32 rqLOA_RisingRampRate_UlspS_f32	0 6.27368927 8.22940922 0.735090733
rqLOA_LatAccConversionFactor_Uls_f32 rqLOA_LimOutput_MtrNm_f32 rqLOA_MaxScaleFactor_Uls_f32 rqLOA_MinScaleFactor_Uls_f32 rqLOA_NomDrvTrq_MtrNm_f32 rqLOA_RisingRampRate_UlspS_f32	6.27368927 8.22940922 0.735090733
rqLOA_LimOutput_MtrNm_f32 rqLOA_MaxScaleFactor_Uls_f32 rqLOA_MinScaleFactor_Uls_f32 rqLOA_NomDrvTrq_MtrNm_f32 rqLOA_RisingRampRate_UlspS_f32	8.22940922 0.735090733
rqLOA_MaxScaleFactor_Uls_f32 rqLOA_MinScaleFactor_Uls_f32 rqLOA_NomDrvTrq_MtrNm_f32 rqLOA_RisingRampRate_UlspS_f32	0.735090733
rqLOA_MinScaleFactor_Uls_f32 irqLOA_NomDrvTrq_MtrNm_f32 irqLOA_RisingRampRate_UlspS_f32	
rqLOA_NomDrvTrq_MtrNm_f32 rqLOA_RisingRampRate_UlspS_f32	
rqLOA_RisingRampRate_UlspS_f32	1
	0.917102754
	186.693497
rqLOA_SteerRatio_Uls_f32	39.8788223
rqLOA_UndersteerGrad_RadpG_f32	0.25
rqLOA_Wheelbase_M_f32	7.71528864
TrqLOA_DiffGainY_Uls_u1p15[0][0]	655
TrqLOA_DiffGainY_Uls_u1p15[0][1]	2458
TrqLOA_DiffGainY_Uls_u1p15[0][2]	4915
TrqLOA_DiffGainY_Uls_u1p15[0][3]	6226
TrqLOA_DiffGainY_Uls_u1p15[1][0]	655
TrqLOA_DiffGainY_Uls_u1p15[1][1]	2458
TrqLOA_DiffGainY_Uls_u1p15[1][2]	4915
TrqLOA_DiffGainY_UIs_u1p15[1][3]	6226
TrqLOA_DiffGainY_Uls_u1p15[2][0]	655
TrqLOA_DiffGainY_Uls_u1p15[2][1]	2458
TrqLOA_DiffGainY_Uls_u1p15[2][2]	4915
TrqLOA_DiffGainY_Uls_u1p15[2][3]	6226
TrqLOA_DiffGainY_Uls_u1p15[3][0]	655
TrqLOA_DiffGainY_Uls_u1p15[3][1]	2458
TrqLOA_DiffGainY_Uls_u1p15[3][2]	4915
TrqLOA_DiffGainY_Uls_u1p15[3][3]	6226
TrqLOA_DiffGainY_Uls_u1p15[4][0]	655
TrqLOA_DiffGainY_Uls_u1p15[4][1]	2458
TrgLOA DiffGainY Uls u1p15[4][2]	4915
FrqLOA_DiffGainY_Uls_u1p15[4][3]	6226
TrqLOA_DiffGainY_Uls_u1p15[5][0]	655
TrqLOA_DiffGainY_Uls_u1p15[5][1]	2458
TrqLOA_DiffGainY_Uls_u1p15[5][2]	4915
TrqLOA_DiffGainY_UIs_u1p15[5][3]	6226
TrqLOA_DiffGainY_UIs_u1p15[6][0]	The state of the s

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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_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		
	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]	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]			
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_Handwhe	elAuthority_Uls_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_M	lpSecSq_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_MotAgLoa	aMtgtnEn_Cnt_lgc	
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		
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		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSp		
		осси_прп_102 	
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	J
		-0.480407506 ± 0.01	
TrqLOA_TloaCmd_MtrNm_M_f32	-0.480407476		
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.668656945	0.668656945 ± 0.01	V
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	~
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	-0.480407476	-0.480407506 ± 0.01	✓





Test Step 2.69 (Repeat Count = 1)	✓
Name	Input Value
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.450142264
TrqLOA LatAccelSV g M Str.SV Uls f32	0.40000006
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0460000001
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_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 k_TrqLOA_LimOutput_MtrNm_f32	3.92292833 6.08133841
k_TrqLOA_LiniOutput_MitMin_is2 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
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
t2_TrqLOA_DiffGainY_Uls_u1p15[2][0] t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	6554 8192
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	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_UIs_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
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 10560
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2] t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	10860
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

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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_RelHwP	os_HwDeg_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOA/	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	speedValid_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleS	speed_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





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 TrgLOA Per1 MtrVelC	RF MtrRadpS f32		
target Rte Inst Ap TrqLOA.TrqLOA Per1 RelHwPos HwDeg f32	target TrqLOA Per1 RelHwP	_ , _		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOA	Avail_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOA	target TrgLOA Per1 TrgLOACmd 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	0.915942907			
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 TrgLOA Per1 TrgLOAAvail 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	0.600000024
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_lb2	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_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] t TrqLOA DiffGainX G u2p14[1]	15892 16876		
t TrqLOA DiffGainX G u2p14[2]	19169		
t_TrqLOA_DiffGainX_G_u2p14[3]	26214		
t TrgLOA HighSpeedTrgBlend 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] t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	8192 9011		
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_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] t_TrqLOA_X_Kph_u10p6[3]	9920 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_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	d_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaM	tgtnEn_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_I		
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		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpeet target_TrqLOA_Per1_VehicleSpeet		
target TrqLOA Per1 HandwheelAuthority Uls f32.value	1		
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_lgc.value	0		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	434.329437		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.923509896	0.923509896	•
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.635068953	0.635068953 ± 0.01	•
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	•
	10	0 ± 0.01	
TrqLOA_TloaCmd_MtrNm_M_f32	0		
	1 0	1 ± 0.01	





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_MitNii_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	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_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_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	0.522736549			
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	

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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_Uls_u1p15[1][3]	6226
t2_TrqLOA_DiffGainY_Uls_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
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] t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	655 2458
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t2_TrqLOA_DiffGainY_UIs_u1p15[6][2]	4915 6226
t2_TrqLOA_DiffGainY_UIs_u1p15[6][3]	655
t2_TrqLOA_DiffGainY_UIs_u1p15[7][0]	2458
t2_TrqLOA_DiffGainY_UIs_u1p15[7][1]	4915
t2_TrqLOA_DiffGainY_UIs_u1p15[7][2]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3] 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 TrgLOA HighSpeedTrgBlend Y Uls u1p15[0]	0
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	0
t TrgLOA HighSpeedTrgBlend Y Uls u1p15[2]	0
t TrgLOA HighSpeedTrgBlend 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 TrgLOA 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]	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
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target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	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_M	trRadpS_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_Hv	vDeg_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_VehicleSpeed	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	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

Inst_Ap_TrqLOA target_ OA_LatAccScaleFactor_Uls_M_f32 0.6407 OA_LatAccelSV_g_M_Str.SV_Uls_f32 0.1500	00006 999997 68427 078046 1976 4646 61732 3337 16625 9964 0019 87353 64234
OA_LatAccScaleFactor_UIs_M_f32	55653 50006 599997 58427 578046 1976 4646 51732 3337 16625 19964 10019 187353 164234
OA_LatAccelSV_g_M_Str.K_Uls_f32 0.1500 OA_LatAccelSV_g_M_Str.K_Uls_f32 0.0494 OA_ScaledMtrTrqCmd_MtrNm_M_f32 -2.873 OA_TrqBasedScaleFactor_Uls_M_f32 -5.5 OA_TrqBasedScaleFactor_Uls_M_f32 -0.394 qLOA_AbsAssistThreshold_MtrRadpS_f32 784.32 qLOA_AbsAssitThreshold_MtrRadpS_f32 784.32 qLOA_DiffScaleRateLimiterFalling_UlspS_f32 44.77 qLOA_DiffScaleRateLimiterRising_UlspS_f32 28.389 qLOA_FallingRampRate_UlspS_f32 -342.4 qLOA_LatAccConversionFactor_Uls_f32 5.0207 qLOA_MaxScaleFactor_Uls_f32 0.4790 qLOA_MinScaleFactor_Uls_f32 0.8210 qLOA_NomDrvTrq_MtrNm_f32 2.1792 qLOA_NomDrvTrq_MtrNm_f32 2.1792 qLOA_NomDrvTrq_MtrNm_f32 2.1792 qLOA_NomDrvTrq_MtrNm_f32 2.1792 qLOA_DA_SisingRampRate_UlspS_f32 114.81 qLOA_UndersteerGrad_RadpG_f32 0.25 qLOA_DiffGainY_Uls_u1p15[0][0] 6554 qLOA_DiffGainY_Uls_u1p15[0][1] 8192 qLOA_DiffGainY_Uls_u1p15[1][1] 8192 qLOA_DiffGainY_U	00006 999997 68427 078046 1976 4646 61732 3337 16625 9964 0019 87353 64234
OA_LatAccelSV_g_M_Str.K_Uis_f32 0.0494 OA_ScaledMtrTrqCmd_MtrNm_M_f32 -2.873 OA_TloaCmd_MtrNm_M_f32 -5.5 OA_TrqBasedScaleFactor_Uis_M_f32 -0.394 qLOA_AbsVelThreshold_MtrRadpS_f32 784.32 qLOA_AbsVelThreshold_MtrRadpS_f32 784.32 qLOA_DiffScaleRateLimiterFalling_UispS_f32 44.77 qLOA_DiffScaleRateLimiterRising_UispS_f32 28.389 qLOA_FallingRampRate_UispS_f32 342.4 qLOA_InfloateRateLimiterRising_UispS_f32 342.4 qLOA_LimOutput_MtrNm_f32 5.0207 qLOA_LimOutput_MtrNm_f32 8.8000 qLOA_MaxScaleFactor_Uis_f32 0.4790 qLOA_MinScaleFactor_Uis_f32 0.8210 qLOA_NomDrvTrq_MtrNm_f32 2.1792 qLOA_NomDrvTrq_MtrNm_f32 2.1792 qLOA_NomDrvTrq_MtrNm_f32 2.1792 qLOA_UndersteerGrad_RadpG_f32 0.25 qLOA_UndersteerGrad_RadpG_f32 0.25 qLOA_DiffGainY_Uis_u1p15[0][0] 6554 qLOA_DiffGainY_Uis_u1p15[0][1] 8192 qLOA_DiffGainY_Uis_u1p15[1][1] 8192 qLOA_DiffGainY_Uis_u1p15[2][1]	999997 68427 678046 1976 4646 61732 3337 16625 19964 10019 187353 164234
OA_ScaledMtrTrqCmd_MtrNm_M_f32 -2.873 OA_TloaCmd_MtrNm_M_f32 -5.5 OA_TrqBasedScaleFactor_Uls_M_f32 -0.394 qLOA_AbsAssistThreshold_MtrNm_f32 -2.2570 qLOA_AbsVelThreshold_MtrRadpS_f32 -784.32 qLOA_DiffScaleRateLimiterFalling_UlspS_f32 -44.773 qLOA_DiffScaleRateLimiterFalling_UlspS_f32 -342.44 qLOA_DiffScaleRateLimiterRising_UlspS_f32 -342.44 qLOA_DiffScaleRateLimiterRising_UlspS_f32 -342.44 qLOA_LimOutput_MtrNm_f32 -342.44 qLOA_LimOutput_MtrNm_f32 -342.44 qLOA_MaxScaleFactor_Uls_f32 -0.4790 qLOA_MinScaleFactor_Uls_f32 -0.4790 qLOA_MinScaleFactor_Uls_f32 -0.8210 qLOA_NomDrvTrq_MtrNm_f32 -2.1792 qLOA_NomDrvTrq_MtrNm_f32 -2.1792 qLOA_UndersteerGrad_RadpG_f32 -0.25 qLOA_UndersteerGrad_RadpG_f32 -0.25 qLOA_UndersteerGrad_RadpG_f32 -0.25 qLOA_DiffGainy_Uls_ulp15[0][1] -1.00 qLOA_DiffGainy_Uls_ulp15[0][1] -1.00 qLOA_DiffGainy_Uls_ulp15[0][2] -1.00 qLOA_DiffGainy_Uls_ulp15[1][1] -1.00 qLOA_DiffGainy_Uls_ulp15[2][1] -1.00 qLOA_DiffGainy_Uls_ulp15[2][2] -1.00 qLOA_DiffGainy_Uls_ulp15[3][1] -1.00 qLOA_DiffGa	88427 978046 1976 4646 61732 3337 16625 19964 10019 197353 164234
OA_TloaCmd_MtrNm_M_f32	978046 1976 4646 51732 3337 46625 9964 9019 87353 64234
OA_TrqBasedScaleFactor_Uls_M_f32	1976 4646 51732 3337 46625 9964 9019 87353 64234
QLOA_AbsAssistThreshold_MtrNm_f32	1976 4646 51732 3337 46625 9964 9019 87353 64234
ALOA_AbsVeIThreshold_MtrRadpS_f32 784.32 784.32 784.32 784.32 784.32 784.32 784.773 784.32 784.773 784.32 784.773 784.32 784.773 784.32 784.773 784.32 784.773 784.32 784.773 784.32 784	4646 51732 3337 46625 9964 9019 87353 64234
Autona A	51732 3337 86625 9964 9019 87353 64234
28.389	3337 6625 9964 0019 87353 64234
-342.4 -34.0A_FallingRampRate_UlspS_132 -342.4 -34.0A_LatAccConversionFactor_Uls_132 5.0207 -34.0A_LimOutput_MtrNm_132 8.8000 -34.0A_MaxScaleFactor_Uls_132 0.4790 -34.0A_MinScaleFactor_Uls_132 0.8210 -34.0A_NomDrvTrq_MtrNm_132 2.1792 -34.0A_RisingRampRate_UlspS_132 114.81 -34.0A_SteerRatio_Uls_132 2.3135 -34.0A_UndersteerGrad_RadpG_132 2.7468 -34.0A_DiffGainY_Uls_u1p15[0][0] 6554 -34.0A_DiffGainY_Uls_u1p15[0][1] 8192 -34.0A_DiffGainY_Uls_u1p15[0][2] 9503 -34.0A_DiffGainY_Uls_u1p15[0][3] 9830 -34.0A_DiffGainY_Uls_u1p15[1][1] 8192 -34.0A_DiffGainY_Uls_u1p15[1][1] 9503 -34.0A_DiffGainY_Uls_u1p15[1][1] 9503 -34.0A_DiffGainY_Uls_u1p15[1][2] 9503 -34.0A_DiffGainY_Uls_u1p15[2][0] 6554 -34.0A_DiffGainY_Uls_u1p15[2][0] 9503 -34.0A_DiffGainY_Uls_u1p15[2][0] 9503 -34.0A_DiffGainY_Uls_u1p15[3][0] 9503 -34.0A_DiffGainY_Uls_u1p15[3]	9964 9964 9019 87353 64234
S.0207 S	9964 0019 87353 64234 2974
### ### ##############################	0019 87353 64234 2974
QLOA_MaxScaleFactor_Uls_f32 0.4790	87353 64234 2974
QLOA_MinScaleFactor_Uls_f32	64234 2974
qLOA_NomDrvTrq_MtrNm_f32 2.1792 qLOA_RisingRampRate_UlspS_f32 114.81 qLOA_SteerRatio_Uls_f32 23.135 qLOA_UndersteerGrad_RadpG_f32 0.25 qLOA_Wheelbase_M_f32 2.7468 qLOA_DiffGainY_Uls_u1p15[0][0] 6554 qLOA_DiffGainY_Uls_u1p15[0][1] 8192 qLOA_DiffGainY_Uls_u1p15[0][2] 9503 qLOA_DiffGainY_Uls_u1p15[0][3] 9830 qLOA_DiffGainY_Uls_u1p15[1][0] 6554 qLOA_DiffGainY_Uls_u1p15[1][1] 8192 qLOA_DiffGainY_Uls_u1p15[1][2] 9503 qLOA_DiffGainY_Uls_u1p15[1][2] 9503 qLOA_DiffGainY_Uls_u1p15[2][0] 6554 qLOA_DiffGainY_Uls_u1p15[2][1] 8192 qLOA_DiffGainY_Uls_u1p15[2][1] 9503 qLOA_DiffGainY_Uls_u1p15[2][2] 9503 qLOA_DiffGainY_Uls_u1p15[3][0] 6554 qLOA_DiffGainY_Uls_u1p15[3][1] 8192 qLOA_DiffGainY_Uls_u1p15[3][1] 8192 qLOA_DiffGainY_Uls_u1p15[3][2] 9503 qLOA_DiffGainY_Uls_u1p15[3][2] 9503 qLOA_DiffGainY_Uls_u1p15[3][2] 9503 qLOA_DiffGainY_Uls_u1p15[3][2] 9503	2974
114.81	
23.135	
qLOA_UndersteeGrad_RadpG_f32 0.25 qLOA_Wheelbase_M_f32 2.7468 qLOA_DiffGainY_Uls_u1p15[0][0] 6554 qLOA_DiffGainY_Uls_u1p15[0][1] 8192 qLOA_DiffGainY_Uls_u1p15[0][2] 9503 qLOA_DiffGainY_Uls_u1p15[0][3] 9830 qLOA_DiffGainY_Uls_u1p15[1][0] 6554 qLOA_DiffGainY_Uls_u1p15[1][1] 8192 qLOA_DiffGainY_Uls_u1p15[1][2] 9503 qLOA_DiffGainY_Uls_u1p15[1][3] 9830 qLOA_DiffGainY_Uls_u1p15[2][0] 6554 qLOA_DiffGainY_Uls_u1p15[2][1] 8192 qLOA_DiffGainY_Uls_u1p15[2][1] 8192 qLOA_DiffGainY_Uls_u1p15[2][2] 9503 qLOA_DiffGainY_Uls_u1p15[3][0] 6554 qLOA_DiffGainY_Uls_u1p15[3][0] 6554 qLOA_DiffGainY_Uls_u1p15[3][1] 8192 qLOA_DiffGainY_Uls_u1p15[3][1] 8192 qLOA_DiffGainY_Uls_u1p15[3][2] 9503 qLOA_DiffGainY_Uls_u1p15[3][2] 9503 qLOA_DiffGainY_Uls_u1p15[3][2] 9503 qLOA_DiffGainY_Uls_u1p15[3][2] 9503 qLOA_DiffGainY_Uls_u1p15[3][2] 9503 qLOA_DiffGainY_Uls_u1p15[3][2] 9503	
2.7468 rqLOA_DiffGainY_Uls_u1p15[0][0] 6554 rqLOA_DiffGainY_Uls_u1p15[0][1] 8192 rqLOA_DiffGainY_Uls_u1p15[0][2] 9503 rqLOA_DiffGainY_Uls_u1p15[0][3] 9830 rqLOA_DiffGainY_Uls_u1p15[1][0] 6554 rqLOA_DiffGainY_Uls_u1p15[1][1] 8192 rqLOA_DiffGainY_Uls_u1p15[1][2] 9503 rqLOA_DiffGainY_Uls_u1p15[1][2] 9503 rqLOA_DiffGainY_Uls_u1p15[1][3] 9830 rqLOA_DiffGainY_Uls_u1p15[1][3] 9830 rqLOA_DiffGainY_Uls_u1p15[2][0] 6554 rqLOA_DiffGainY_Uls_u1p15[2][0] 9654 rqLOA_DiffGainY_Uls_u1p15[2][1] 8192 rqLOA_DiffGainY_Uls_u1p15[2][2] 9603 rqLOA_DiffGainY_Uls_u1p15[2][3] 9830 rqLOA_DiffGainY_Uls_u1p15[3][1] rqLOA_DiffGainY_Uls_u1p15[3][1] rqLOA_DiffGainY_Uls_u1p15[3][1] rqLOA_DiffGainY_Uls_u1p15[3][2] rqLOA_DiffGainY_Uls_u1p15[3][2] rqLOA_DiffGainY_Uls_u1p15[3][2] rqLOA_DiffGainY_Uls_u1p15[3][2] rqLOA_DiffGainY_Uls_u1p15[3][2] rqLOA_DiffGainY_Uls_u1p15[3][3] rqLOA_DiffGainY_Uls_u1p15[3][3] rqLOA_DiffGainY_Uls_u1p15[3][3] rqLOA_DiffGainY_Uls_u1p15[3][3] rqLOA_DiffGainY_Uls_u1p15[3][3] rqLOA_DiffGainY_Uls_u1p15[4][0]	0193
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rqLOA_DiffGainY_Uls_u1p15[0][3] 9830 rqLOA_DiffGainY_Uls_u1p15[1][0] 6554 rqLOA_DiffGainY_Uls_u1p15[1][1] 8192 rqLOA_DiffGainY_Uls_u1p15[1][2] 9503 rqLOA_DiffGainY_Uls_u1p15[1][3] 9830 rqLOA_DiffGainY_Uls_u1p15[2][0] 6554 rqLOA_DiffGainY_Uls_u1p15[2][1] 8192 rqLOA_DiffGainY_Uls_u1p15[2][2] 9503 rqLOA_DiffGainY_Uls_u1p15[2][3] 9830 rqLOA_DiffGainY_Uls_u1p15[3][0] 6554 rqLOA_DiffGainY_Uls_u1p15[3][1] 8192 rqLOA_DiffGainY_Uls_u1p15[3][1] 8192 rqLOA_DiffGainY_Uls_u1p15[3][2] 9503 rqLOA_DiffGainY_Uls_u1p15[3][2] 9503 rqLOA_DiffGainY_Uls_u1p15[3][2] 9503 rqLOA_DiffGainY_Uls_u1p15[3][3] 9830 rqLOA_DiffGainY_Uls_u1p15[4][0] 6554	
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rqLOA_DiffGainY_Uls_u1p15[1][2] 9503 rqLOA_DiffGainY_Uls_u1p15[1][3] 9830 rqLOA_DiffGainY_Uls_u1p15[2][0] 6554 rqLOA_DiffGainY_Uls_u1p15[2][1] 8192 rqLOA_DiffGainY_Uls_u1p15[2][2] 9503 rqLOA_DiffGainY_Uls_u1p15[2][3] 9830 rqLOA_DiffGainY_Uls_u1p15[3][0] 6554 rqLOA_DiffGainY_Uls_u1p15[3][1] 8192 rqLOA_DiffGainY_Uls_u1p15[3][1] 8192 rqLOA_DiffGainY_Uls_u1p15[3][2] 9503 rqLOA_DiffGainY_Uls_u1p15[3][2] 9503 rqLOA_DiffGainY_Uls_u1p15[3][3] 9830 rqLOA_DiffGainY_Uls_u1p15[3][3] 9830 rqLOA_DiffGainY_Uls_u1p15[4][0] 6554	
rqLOA_DiffGainY_Uls_u1p15[1][3] 9830 rqLOA_DiffGainY_Uls_u1p15[2][0] 6554 rqLOA_DiffGainY_Uls_u1p15[2][1] 8192 rqLOA_DiffGainY_Uls_u1p15[2][2] 9503 rqLOA_DiffGainY_Uls_u1p15[2][3] 9830 rqLOA_DiffGainY_Uls_u1p15[3][0] 6554 rqLOA_DiffGainY_Uls_u1p15[3][1] 8192 rqLOA_DiffGainY_Uls_u1p15[3][2] 9503 rqLOA_DiffGainY_Uls_u1p15[3][2] 9503 rqLOA_DiffGainY_Uls_u1p15[3][3] 9830 rqLOA_DiffGainY_Uls_u1p15[4][0] 6554	
rqLOA_DiffGainY_Uls_u1p15[2][0] 6554 rqLOA_DiffGainY_Uls_u1p15[2][1] 8192 rqLOA_DiffGainY_Uls_u1p15[2][2] 9503 rqLOA_DiffGainY_Uls_u1p15[2][3] 9830 rqLOA_DiffGainY_Uls_u1p15[3][0] 6554 rqLOA_DiffGainY_Uls_u1p15[3][1] 8192 rqLOA_DiffGainY_Uls_u1p15[3][2] 9503 rqLOA_DiffGainY_Uls_u1p15[3][2] 9503 rqLOA_DiffGainY_Uls_u1p15[3][3] 9830 rqLOA_DiffGainY_Uls_u1p15[3][3] 9830 rqLOA_DiffGainY_Uls_u1p15[4][0] 6554	
rqLOA_DiffGainY_Uls_u1p15[2][1] 8192 rqLOA_DiffGainY_Uls_u1p15[2][2] 9503 rqLOA_DiffGainY_Uls_u1p15[2][3] 9830 rqLOA_DiffGainY_Uls_u1p15[3][0] 6554 rqLOA_DiffGainY_Uls_u1p15[3][1] 8192 rqLOA_DiffGainY_Uls_u1p15[3][2] 9503 rqLOA_DiffGainY_Uls_u1p15[3][3] 9830 rqLOA_DiffGainY_Uls_u1p15[4][0] 6554	
rqLOA_DiffGainY_Uls_u1p15[2][2] 9503 rqLOA_DiffGainY_Uls_u1p15[2][3] 9830 rqLOA_DiffGainY_Uls_u1p15[3][0] 6554 rqLOA_DiffGainY_Uls_u1p15[3][1] 8192 rqLOA_DiffGainY_Uls_u1p15[3][2] 9503 rqLOA_DiffGainY_Uls_u1p15[3][3] 9830 rqLOA_DiffGainY_Uls_u1p15[4][0] 6554	
rqLOA_DiffGainY_Uls_u1p15[2][3] 9830 rqLOA_DiffGainY_Uls_u1p15[3][0] 6554 rqLOA_DiffGainY_Uls_u1p15[3][1] 8192 rqLOA_DiffGainY_Uls_u1p15[3][2] 9503 rqLOA_DiffGainY_Uls_u1p15[3][3] 9830 rqLOA_DiffGainY_Uls_u1p15[4][0] 6554	
rqLOA_DiffGainY_Uls_u1p15[3][0] 6554 rqLOA_DiffGainY_Uls_u1p15[3][1] 8192 rqLOA_DiffGainY_Uls_u1p15[3][2] 9503 rqLOA_DiffGainY_Uls_u1p15[3][3] 9830 rqLOA_DiffGainY_Uls_u1p15[4][0] 6554	
rqLOA_DiffGainY_Uls_u1p15[3][1] 8192 rqLOA_DiffGainY_Uls_u1p15[3][2] 9503 rqLOA_DiffGainY_Uls_u1p15[3][3] 9830 rqLOA_DiffGainY_Uls_u1p15[4][0] 6554	
rqLOA_DiffGainY_Uls_u1p15[3][2] 9503 rqLOA_DiffGainY_Uls_u1p15[3][3] 9830 rqLOA_DiffGainY_Uls_u1p15[4][0] 6554	
rqLOA_DiffGainY_Uls_u1p15[3][3] 9830 rqLOA_DiffGainY_Uls_u1p15[4][0] 6554	
rqLOA_DiffGainY_Uls_u1p15[3][3] 9830 rqLOA_DiffGainY_Uls_u1p15[4][0] 6554	
rqLOA_DiffGainY_Uls_u1p15[4][0] 6554	
rgLOA DiffGainY Uls u1p15[4][2] 9503	
rqLOA_DiffGainY_Uls_u1p15[4][3] 9830	
rqLOA_DiffGainY_Uls_u1p15[5][0] 6554	
rqLOA_DiffGainY_Uls_u1p15[5][1] 8192	
rqLOA_DiffGainY_Uls_u1p15[5][2] 9503	
rqLOA_DiffGainY_Uls_u1p15[5][3] 9830	
rqLOA_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

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Name	Input Value		
t TrgLOA 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		
	9830		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	16794		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1] t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	20070		
	18842		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	23347		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	24986		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]			
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 11968		
t_TrqLOA_X_Kph_u10p6[2]			
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_Handwh	,	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_	· · · · · · · · · · · · · · · · · · ·	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_Igc	target_TrqLOA_Per1_LatAcce	~	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_Igc	target_TrqLOA_Per1_MotAgL		
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_RelHwF		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	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_lgc	target_TrqLOA_Per1_Vehicle		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_Vehicle	Speed_Kph_f32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0.579330087		
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





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_Uls_u1p15[2][2] 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]	17039
t2_TrqLOA_DiffGainY_UIs_u1p15[4][3]	19661
t2_TrqLOA_DiffGainY_UIs_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]	0
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	0 0
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2] t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	0
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	0
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]	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]	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 12672
t_TrqLOA_X_Kph_u10p6[5] t_TrqLOA_X_Kph_u10p6[6]	12672 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
	target_TrqLOA_Per1_LatAccelValid_Cnt_lgc
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target frotoa Peri Latacceivano Chi loc





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	-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_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0.175858855	0.175858811 ± 0.01	~

Input Value target_Rte_Inst_Ap_TrqLOA 1 0.300000012 0.050999999 4.97012091 -4 -0.521495759 5.38597393 399.039459 -13.433363 52.6879501
1 0.300000012 0.050999999 4.97012091 -4 -0.521495759 5.38597393 399.039459 -13.433363
0.30000012 0.05099999 4.97012091 -4 -0.521495759 5.38597393 399.039459 -13.433363
0.050999999 4.97012091 -4 -0.521495759 5.38597393 399.039459 -13.433363
4.97012091 -4 -0.521495759 5.38597393 399.039459 -13.433363
-4 -0.521495759 5.38597393 399.039459 -13.433363
-0.521495759 5.38597393 399.039459 -13.433363
5.38597393 399.039459 -13.433363
399.039459 -13.433363
-13.433363
52 6879501
-393.751373
5.18942642
7.32739162
1
0.606269717
8.80000019
748.655151
86.64814
0.25
1.35590708
17367
19333
21299
26214
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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_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]	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]	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]	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		
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_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_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 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		
target TrqLOA Per1 HandwheelAuthority Uls f32.value	1		
target_TrqLOA_Per1_HandwheeiAuthority_Uis_t32.value target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-8.2390604		
	-8.2390604		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1		
	696.445374		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	476.985565		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	0		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	46.6391907		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value		Empered 1Met	
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.973133266	0.973133266	→
TrqLOA_LatAccelSV_g_M_Str.SV_UIs_f32	0.299582779	0.299582779 ± 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	0.606269717	0.606269717 ± 0.01	
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	~

0

0 ± 0.01

target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value



Test Step 2.78 (Repeat Count = 1)	Input Value
Name Rte_Inst_Ap_TrqLOA	Input Value target_Rte_Inst_Ap_TrqLOA
TrqLOA_LatAccScaleFactor_Uls_M_f32	target_rite_inst_rp_riqLoA
TrqLOA LatAccelSV g M Str.SV Uls f32	0.34999994
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	-29.9538345
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	21.1192341
k_TrqLOA_FallingRampRate_UlspS_f32	-273.069763
k_TrqLOA_LatAccConversionFactor_Uls_f32 k_TrqLOA_LimOutput_MtrNm_f32	3.67699265 8.80000019
k_TrqLOA_LimOutput_winvini_is2 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_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 4915
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2] t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[1][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 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_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] t TrqLOA DiffGainX G u2p14[0]	6226 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]	4480
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	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] 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





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	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_HandwheelAu	thority_Uls_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSe	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_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_l		
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	_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_lgc.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_Uls_f32	0.357789844	0.357789844 ± 0.01	1
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_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_Uls_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_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_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_UIs_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 13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	16384
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2] 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]	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
t_TrqLOA_X_Kph_u10p6[7]	14336 target Trol OA Per1 HandwheelAuthority Llls f32
	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_HandwheeiAuthonty_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



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	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	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	✓
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	
TrgLOA LatAccelSV g M Str.SV Uls f32	0.44999988	
FrgLOA LatAccelSV g M Str.K Uls f32	0.0524999984	
TrgLOA ScaledMtrTrgCmd MtrNm M f32	-7.83283663	
TrqLOA_Gealedwit HqGritiq_intrivii_iv_io2 TrqLOA_TloaCmd_MtrNm_M_f32	-2.5	
TrqLOA_TrgBasedScaleFactor_Uls_M_f32	2	
<pre>c_TrqLOA_AbsAssistThreshold_MtrNm_f32</pre>	10	
C_TrqLOA_AbsVelThreshold_MtrRadpS_f32	954.927002	
<pre>C_TrqLOA_AbsverTiflesfibition_witrRadipS_132</pre> <pre>C_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32</pre>	-70.1127396	
	60.9110832	
x_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	-399.622284	
c_TrqLOA_FallingRampRate_UlspS_f32		
<pre><_TrqLOA_LatAccConversionFactor_Uls_f32</pre>	1.31709409	
C_TrqLOA_LimOutput_MtrNm_f32	6.46497059 0.195761919	
TrqLOA_MaxScaleFactor_Uls_f32	0.195/01919	
c_TrqLOA_MinScaleFactor_Uls_f32		
x_TrqLOA_NomDrvTrq_MtrNm_f32	6.96180534	
x_TrqLOA_RisingRampRate_UlspS_f32	551.797058	
TrqLOA_SteerRatio_Uls_f32	20.2741756	
TrqLOA_UndersteerGrad_RadpG_f32	0.25	
x_TrqLOA_Wheelbase_M_f32	1.05338657	
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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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>





Name	Test Step 2.81 (Repeat Count = 1)	
New Joseph Age Trail Color		Innut Value
THE CAN LEARNESS OF AN ENVI US 2 0.14799979 THE CALL PRICESS OF A ENVI US 2 0.5 1 THE CALL PRICESS OF AN ENVI US 2 0.5 1 THE CALL PRICE		
THE CAN LANGERS ME AN SIGN VILL 52 TO CO. AS SECRETORY OF THE CAN LANGE STATE AND ASSESSMENT OF THE CAN LANG		
TING OA, Selection Tropic Marken M 192 1.977209 TING OA, Selection Tropic Marken M 192 2.77209 TING OA, Selection Tropic Marken M 192 2.77209 TING OA, Tropic Marken M 192 3.77209 TING OA, And Selection		
Temp	TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0529999994
Top Co.A. Top Content Top Co.	TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	1.6737206
L, Track DA, Aberselant Tree and Manh. 12	TrqLOA_TloaCmd_MtrNm_M_f32	-2
Ling OA, Abvoil Hirterhold, Merkedyis, Care Ling OA, DeScaleshers immerissing, Usep, Care Ling OA, DeScaleshers Lings, Care Ling OA, Landscaleshers, Usep, Care Ling OA, Landscalesher, Usep, Care Ling OA, DeScaleshers, Usep, Care Ling OA, DeScaleshers, Usep, Care Ling OA, DeScaleshers, Usep, Care Ling OA, OA, Medicare, Usep, Care Ling OA, OA,	TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.340689003
Ling QA Difficent Head Limited Failing Lives 5, 122 Ling QA Difficent Head Limited Failing Lives 5, 122 Ling QA Difficent Head Limited Failing Lives 5, 122 Ling QA Limited Contemporary Service 19, 152 Ling QA Limited Contemporary Service 19, 152 Ling QA Limited Failing Limited Failing Limited Contemporary Service 19, 152 Ling QA A Jamined Failer Use 192 Ling QA Contemporary Limited 193 Ling QA	k_TrqLOA_AbsAssistThreshold_MtrNm_f32	
T. T. T. C. D. DESCAMPAGE UNITS (TEXT OF A STATE OF A		
Troub.A. Jamborane/Habe Upper 302 240.72294		
Trigloca Justical Mark Justica		
CTROLAN MisSoleFactor, Us. 52 9-067168994		
TrayLoo, MinScale Feature, 1982 1		
Ling LOA, Brising Pamp Chane, Units 2, 12 Ling LOA, Understee Grad, Rainford, 12 Ling LOA, Understee LOA, Understee Grad, Rainford, 12 Ling LOA, Understee LOA, U	k_TrqLOA_MinScaleFactor_Uls_f32	
Triglo A. SteerNate (Us. 52 7.40671 Triglo A. Underston M. Rapido (22 0.5 Triglo A. Wheelbase M. 52 0.5 Triglo A. Wheelbase M. 52 0.5 Triglo A. Diffication V. Us. prints (Us. 1150)(1) Triglo A. Diffication V. Us. prints (Us. 1151)(1) Triglo A. Diffication V. Us. prints (Us. 1151)(1)	k_TrqLOA_NomDrvTrq_MtrNm_f32	0.481317669
Truck UndersteerGoad Raspo 122 6.15 15 15 15 15 15 15 15	k_TrqLOA_RisingRampRate_UlspS_f32	862.363953
K. Trei, D.A., Wheelbase, M. F. 22	k_TrqLOA_SteerRatio_Uls_f32	87.4016571
2. Trigl. A.D. Jifficain', Us. 11-550(01) 13783 12. Trigl. A.D. Jifficain', Us. 11-550(01) 15729 1700.A.D. Jifficain', Us. 11-550(01) 15729 15729 15729 15729 15729 15729 15729 15729 15729 15729 15729 15729 15729 15729 15729 15720	k_TrqLOA_UndersteerGrad_RadpG_f32	
1. Trigon 1. 1. 1. 1. 1. 1. 1. 1	k_TrqLOA_Wheelbase_M_f32	
12. Troj. CA. D. MiCham Y. Us. 11/15/03/1 19611 19611 12. Troj. CA. D. MiCham Y. Us. 11/15/03/1 1961	t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	
12. Troi, D.A. Difficanty Us. u1 p1 50 13 13 13 13 13 13 13 1	t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	
12. Troj.O.D. Difficatiny Use _ up p15(1)(1) 15729 17020. Difficatiny Use _ up p15(1)(1) 15729 17020. Difficatiny Use _ up p15(1)(2) 17039		
12, Troj. D.A., Difficatiny Use. Lip 15(1) 1728 1709 17		
12. Troj.O.D. Difficatiny Use .utp15(1) 21 1798 12. Troj.O.D. Difficatiny Use .utp15(1) 31 1986 1986		
12. TrigLOA_DMGainY_Uis_up15[2][0] 13763 15729 12. TrigLOA_DMGainY_Uis_up15[2][1] 15729 15729 15729 15729 17709 15720 15		
12. Trq.C.A. D. DiffGalmY, Uis_upts[2][0] 13763 17729		
2. Tra(LO, Diffican'r, Uis, urjn15(2)[1] 15729 17039 17040 17039 1		
12 TRICA D. DIRGAINY_UIS_urb15[2][3]	t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	15729
12, TrqLOA_DiffGainY_Uis_urlpt[3][0] 15763 15729 15729 15729 15729 15729 15729 15729 15729 15729 15729 15729 15729 15729 15729 15729 15729 15729 15729 15720 15729 15720 15729 15720 15729 15720 15729 15720 15729 15729 15729 15729 15729 15729 15729 15729 15729 15729 15729 15729 15720 15729 15729 15720 15729 15720 15729 15720 15720 15729 15720 15729 15720 15729 15720 15729 15720 15729 15720 15729 15720 15729 15720 15729 15720 15729 15720 15729 15720 15729 15720 15729 15720 15729 15720 15729 15720 15729 15720	t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	17039
12 TrqLOA_DiffGainY_Us_up1s[3][1] 15729 17039	t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	19661
12 TrqLOA_DiffGainY_Us_up15[3][2] 17039 19661 19762 17040 DiffGainY_Us_up15[4][0] 13763 19661 19762 17040 DiffGainY_Us_up15[4][0] 13763 19762 17039 19762 17039	t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	13763
	t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	
	t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	
2_TrqLOA_DiffGainY_Uls_u1p15[4][2] 17039 12_TrqLOA_DiffGainY_Uls_u1p15[4][3] 19661 12_TrqLOA_DiffGainY_Uls_u1p15[5][0] 13763 15729 12_TrqLOA_DiffGainY_Uls_u1p15[5][1] 15729 17039		
12_TrqLOA_DiffGainY_Uls_u1p15[5][1] 15729 17039 12_TrqLOA_DiffGainY_Uls_u1p15[5][2] 17039 18061		
12, TrqLOA_DiffGainY_Uls_urp15[5][3]		
13763 2_TrqLOA_DiffGainY_Uls_u1p15[6][0] 13763 2_TrqLOA_DiffGainY_Uls_u1p15[6][2] 17039 2_TrqLOA_DiffGainY_Uls_u1p15[6][2] 17039 2_TrqLOA_DiffGainY_Uls_u1p15[6][3] 19661 2_TrqLOA_DiffGainY_Uls_u1p15[7][0] 13763 2_TrqLOA_DiffGainY_Uls_u1p15[7][0] 13763 2_TrqLOA_DiffGainY_Uls_u1p15[7][2] 17039 2_TrqLOA_DiffGainY_Uls_u1p15[7][2] 17039 2_TrqLOA_DiffGainY_Uls_u1p15[7][2] 17039 2_TrqLOA_DiffGainY_Uls_u1p15[7][3] 19661 1_TrqLOA_DiffGainX_G_u2p14[0] 15892 1_TrqLOA_DiffGainX_G_u2p14[1] 18876 1_TrqLOA_DiffGainX_G_u2p14[2] 19169 1_TrqLOA_DiffGainX_G_u2p14[3] 26214 1_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0] 8320 1_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1] 8640 1_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2] 8960 1_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3] 9280 1_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4] 9600 1_TrqLOA_HighSpeedTrqBlend_X_Uls_u1p15[0] 9830 1_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0] 9830 1_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1] 13107 1_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3] 19661 1_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3] 19661 1_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3] 19661 1_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3] 19661 1_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3] 19661 1_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4] 22938 1_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4] 22938 1_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1] 37683 1_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1] 37683 1_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1] 37683 1_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2] 40960	t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	17039
12_TrqLOA_DiffGainY_Uls_ulp15[6][1] 15729 17039 12_TrqLOA_DiffGainY_Uls_ulp15[6][2] 17039 19661 12_TrqLOA_DiffGainY_Uls_ulp15[6][3] 19661 13763 12_TrqLOA_DiffGainY_Uls_ulp15[7][0] 13763 12_TrqLOA_DiffGainY_Uls_ulp15[7][1] 15729 12_TrqLOA_DiffGainY_Uls_ulp15[7][2] 17039 12_TrqLOA_DiffGainY_Uls_ulp15[7][3] 19661 17039 12_TrqLOA_DiffGainY_Uls_ulp15[7][3] 19661 18892 17040 18892 17040 18892 17040 18892 17040 18892 17040 18892 17040 18892 17040 18892 17040 18892 17040 18892 17040 18892 17040 18892 17040 18892 17040 18892 17040 18892 18040 1804	t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	19661
17039 12_TrqLOA_DiffGainY_Uls_ulp15[6][2] 17039 12_TrqLOA_DiffGainY_Uls_ulp15[6][3] 19661 12_TrqLOA_DiffGainY_Uls_ulp15[7][0] 13763 12_TrqLOA_DiffGainY_Uls_ulp15[7][1] 15729 12_TrqLOA_DiffGainY_Uls_ulp15[7][2] 17039 12_TrqLOA_DiffGainY_Uls_ulp15[7][3] 19661 1_TrqLOA_DiffGainY_Uls_ulp15[7][3] 19661 1_TrqLOA_DiffGainX_G_u2p14[0] 15892 1_TrqLOA_DiffGainX_G_u2p14[1] 16876 1_TrqLOA_DiffGainX_G_u2p14[2] 19169 1_TrqLOA_DiffGainX_G_u2p14[3] 26214 1_TrqLOA_DiffGainX_G_u2p14[3] 26214 1_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0] 8320 1_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1] 8640 1_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3] 9280 1_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4] 9800 1_TrqLOA_HighSpeedTrqBlend_X_Vph_u10p6[4] 9800 1_TrqLOA_HighSpeedTrqBlend_X_Uls_ulp15[0] 9830 1_TrqLOA_HighSpeedTrqBlend_Y_Uls_ulp15[0] 9830 1_TrqLOA_HighSpeedTrqBlend_Y_Uls_ulp15[0] 13107 1_TrqLOA_HighSpeedTrqBlend_Y_Uls_ulp15[3] 16684 1_TrqLOA_HighSpeedTrqBlend_Y_Uls_ulp15[3] 16384 1_TrqLOA_HighSpeedTrqBlend_Y_Uls_ulp15[3] 16616 1_TrqLOA_HighSpeedTrqBlend_Y_Uls_ulp15[3] 16616 1_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0] 36864 1_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1] 37683 1_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1] 37683 1_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1] 37683 1_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1] 40960 1_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1] 40960 1_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1] 40960 1_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2] 40960 1_TrqLOA_LatAccGain_Y_MtrNmpG_u4	t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	13763
1961 1974	t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	
13763 12_TrqLOA_DiffGainY_Uls_u1p15[7][0] 13763 12_TrqLOA_DiffGainY_Uls_u1p15[7][1] 15729 12_TrqLOA_DiffGainY_Uls_u1p15[7][2] 17039 12_TrqLOA_DiffGainY_Uls_u1p15[7][3] 19661 1_TrqLOA_DiffGainX_G_u2p14[0] 15892 1_TrqLOA_DiffGainX_G_u2p14[1] 16876 1_TrqLOA_DiffGainX_G_u2p14[2] 19169 1_TrqLOA_DiffGainX_G_u2p14[3] 26214 1_TrqLOA_DiffGainX_G_u2p14[3] 26214 1_TrqLOA_DiffGainX_G_u2p14[3] 26214 1_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0] 8320 1_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1] 8640 1_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2] 8960 1_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3] 9280 1_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4] 9600 1_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0] 9830 1_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0] 13107 1_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2] 16384 1_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3] 19661 1_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4] 22938 1_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0] 36864 1_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1] 37683 1_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2] 40960 1_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[
15729 15729 15729 15729 17039 12_TrqLOA_DiffGainY_Uls_u1p15[7][2] 17039 170300 1703000 170300 170300 170300 170300 170300 170300 1703000 170300 170300 170300 170300 170300 170300 1703000 1703000 1703000 1703000 1703000 1703000 1703000		
17039 17030 170300 170300 170300 170300 170300 170300 170300 17030		
1961 15892		
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_Y_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_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[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_DiffGainX_G_u2p14[0]	
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_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_LatAccGain_Y_MtrNmpG_u4p12[0] 36864 t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1] 37683 t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2] 40960	t_TrqLOA_DiffGainX_G_u2p14[1]	
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_DiffGainX_G_u2p14[2]	
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_DiffGainX_G_u2p14[3]	26214
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_HighSpeedTrqBlend_X_Kph_u10p6[0]	8320
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_HighSpeedTrqBlend_X_Kph_u10p6[1]	
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_HighSpeedTrqBlend_X_Kph_u10p6[2]	
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_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_LatAccGain_Y_MtrNmpG_u4p12[0] 36864 t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1] 37683 t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2] 40960		
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_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_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_tatAccGain_Y_MtrNmpG_u4p12[0] 36864 t_TrqLOA_tatAccGain_Y_MtrNmpG_u4p12[1] 37683 t_TrqLOA_tatAccGain_Y_MtrNmpG_u4p12[2] 40960		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1] 37683 t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2] 40960		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2] 40960	t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3] 41779	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_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_MtrNn	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	3.51402378		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.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_lgc.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	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.47349602	0.47349602 ± 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	0.405108094	0.405108094 ± 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	0.581789017	
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_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_UIs_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] t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	19333 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]	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_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 9920
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0] 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_Uls_u1p15[3]	19661
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	22938
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]	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]	15424
t_TrqLOA_X_Kph_u10p6[1]	15488 15552
t_TrqLOA_X_Kph_u10p6[2]	15616
t_TrqLOA_X_Kph_u10p6[3] t_TrqLOA_X_Kph_u10p6[4]	15616
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_Igc



Name	Input Value		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCR	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	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	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	
12 TrqLOA_Wifeeibase_M_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_Uls_u1p15[7][3]	6226		
t_TrqLOA_DiffGainX_G_u2p14[0]	328 1229		
t_TrqLOA_DiffGainX_G_u2p14[1] 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]	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		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	61440		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	61440		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	61440 61440		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7] 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_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	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_Mptarget_TrqLOA_Per1_LatAccelVptarget_TrqLOA_Per		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc target_Rte_Inst_Ap_TrqLOA.TrqLOA Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_LatAcceivs		
target_Rte_inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoawtgtnEn_Cnt_igc 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_TrqLOACr	*	
target Rte Inst Ap TrqLOA.TrqLOA Per1 VehicleSpeedValid Cnt Igc	target_TrqLOA_Per1_VehicleSp		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSp		
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	1138.91357		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-880.585693		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc.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	
	-0.519612968	-0.519612968 ± 0.01	· · · · · · · · · · · · · · · · · · ·
TrqLOA_TloaCmd_MtrNm_M_f32		0.730076227 ± 0.04	_
TrqLOA_TloaCmd_MtrNm_M_f32 TrqLOA_TrqBasedScaleFactor_Uls_M_f32 target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0.739976227	0.739976227 ± 0.01	





Test Step 2.84 (Repeat Count = 1)	Innuit 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 0.649999976
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	8.80764484
k_TrqLOA_LimOutput_MtrNm_f32	1.0901581
k_TrqLOA_MaxScaleFactor_Uls_f32 k_TrqLOA_MinScaleFactor_Uls_f32	0.647754431 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_UIs_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] t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	8192 9503
t2_TrqLOA_DiliGainY_Uls_u1p15[2][2] 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_UIs_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] t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	9830 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]	1920
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	2240
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2] t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	2560 2880
t_TrqLOA_nighSpeedTrqBlend_X_Kph_u10p6[3] t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	3200
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	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]	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_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_RelHwPo	s_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_TrqLOAC	md_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	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
13107
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12780
13107
5079
6062
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



Name	Input Value		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_M	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_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	0.0452584028		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-8.33281803		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-1279.70117		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-763.383301		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	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_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0	0 ± 0.01	✓

Test Step 2.86 (Repeat Count = 1)		
Name	Input Value	
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA	
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.454035282	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.150000006	
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0555000007	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-4.2971797	
TrqLOA_TloaCmd_MtrNm_M_f32	0.5	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-0.0378806591	
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	1.20553124	
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	85.9290466	
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-5.70244408	
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	57.5687294	
k_TrqLOA_FallingRampRate_UlspS_f32	-190.925446	
k_TrqLOA_LatAccConversionFactor_Uls_f32	0.856612802	
k_TrqLOA_LimOutput_MtrNm_f32	5.18634176	
k_TrqLOA_MaxScaleFactor_Uls_f32	1	
k_TrqLOA_MinScaleFactor_Uls_f32	1	
k_TrqLOA_NomDrvTrq_MtrNm_f32	5.44656372	
k_TrqLOA_RisingRampRate_UlspS_f32	168.014526	
k_TrqLOA_SteerRatio_Uls_f32	100	
k_TrqLOA_UndersteerGrad_RadpG_f32	0.25	
k_TrqLOA_Wheelbase_M_f32	20	
t2 TrgLOA 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 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_UIs_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	
- 1	1	15

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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_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]	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]	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]	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]	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_HandwheelAuth	nority Uls f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSec		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target TrqLOA Per1 LatAccelValid 0		
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_Mtr		
		. –	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_HwI		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOAAvail_C		
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	1		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	8.98322487		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.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_Igc.value	0		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	510.110107		
		Francis 11/51	.
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	~
target_TrqLOA_Per1_TrqLOAAvail_Cnt_Igc.value	0	0	✓

-0.152473509

target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value

-0.15247348 ± 0.01



Test Step 2.87 (Repeat Count = 1)	· ·
Name	Input Value
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA
TrqLOA_LatAccScaleFactor_Uls_M_f32	
TrgLOA LatAccelSV g M Str.SV Uls f32	0.20000003
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0560000017
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 -978.38501
k_TrqLOA_FallingRampRate_UlspS_f32 k_TrqLOA_LatAccConversionFactor_Uls_f32	6.24312687
k TrqLOA LimOutput MtrNm f32	2.07289386
k_TrqLOA_MaxScaleFactor_Uls_f32	1
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_UIs_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] t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	26214 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_UIs_u1p15[3][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	17367 19333
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1] t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	21299
t2 TrgLOA 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_UIs_u1p15[6][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0] t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	17367 19333
· · · · · ·	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2] 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]	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 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_angrispeed rrqsiend_1_ois_u1p15[4]	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

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			1000
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 TrgLOA Per1 HandwheelAuthority Uls f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_HandwireerAuthority_Ois_132 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_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_rer1_TrqLOAAvail_Cnt_lgc		
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_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc target_TrqLOA_Per1_VehicleSpeed_Kph_f32		
target TrqLOA Per1 HandwheelAuthority Uls f32.value	1	eu_rtpii_i32	
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	8.20080757		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0		
	1		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	854.247864		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value			
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-370.513214		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc.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	Y
TrqLOA_LatAccelSV_g_M_Str.SV_UIs_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	✓
toward Tool OA Dood Tool OA Cood Making 600 colors	10	0 . 0 04	

Test Step 2.88 (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	0.25	
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.056499999	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-2.02841663	
TrqLOA_TloaCmd_MtrNm_M_f32	1.5	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-0.587380052	
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	10	
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	870.603333	
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-77.8179932	
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	8.33252239	
k_TrqLOA_FallingRampRate_UlspS_f32	-836.30304	
k_TrqLOA_LatAccConversionFactor_Uls_f32	8.94236	k_P

0

0 ± 0.01

target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value

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Name	Input Value
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_UIs_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_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
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] t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	6226 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_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 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]	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] t TrqLOA HighSpeedTrqBlend Y Uls u1p15[2]	9830
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]	32768
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	33587
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	9830
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1] t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	16794 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 18880
t_TrqLOA_X_Kph_u10p6[6] t_TrqLOA_X_Kph_u10p6[7]	18944
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_inst_Ap_riqLOA_rer_LatAccervalid_crit_igc	target_frqLOA_Ferf_LatAccervalid_Crit_igc



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	/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	0.86052227			
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	1		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-879.002319	-879.002319		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	982.454895			
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	25.6040649	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_Lanccei3v_g_w_Sti.K_Ois_i32 TrqLOA ScaledMtrTrqCmd MtrNm M f32	-0.0367079154	
TrqLOA_ScaledWit TrqCritd_MitNTI_M_132 TrqLOA_TloaCmd_MtrNm_M_f32	2	
TrqLOA_TrgBasedScaleFactor_Uls_M_f32	1.08809543	
<pre><_TrqLOA_AbsAssistThreshold_MtrNm_f32</pre>	4.15189934	
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	899.73584	
k_TrqLOA_biffScaleRateLimiterFalling_UlspS_f32	-47.5227737	
k TrqLOA_DiffScaleRateLimiterPailing_Disp5_132	48.2107315	
TrqLOA_DillocaleRateLiffite(Rishing_Disps_132) TrqLOA FallingRampRate UlspS f32	-920.471436	
_ , _ , _ , _ , _	6.26204729	
k_TrqLOA_LatAccConversionFactor_Uls_f32		
k_TrqLOA_LimOutput_MtrNm_f32	8.71106529 0.624129891	
<_TrqLOA_MaxScaleFactor_Uls_f32	0.024129691	
k_TrqLOA_MinScaleFactor_Uls_f32		
k_TrqLOA_NomDrvTrq_MtrNm_f32	6.76092386	
<pre><_TrqLOA_RisingRampRate_UlspS_f32</pre>	200.202011	
C_TrqLOA_SteerRatio_Uls_f32	18.3684654	
C_TrqLOA_UndersteerGrad_RadpG_f32	0.12909539	
<pre><_TrqLOA_Wheelbase_M_f32</pre>	11.024827	
2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	6554	
2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	8192	
2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	9503	
l2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	9830	
2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	6554	
2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	8192	
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	9503	
t2_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	
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	6554	





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 9830		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3] 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] t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	45056 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_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	29082		
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_Handwheel		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32 target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAcc_Mp target TrqLOA Per1 LatAccelVa		
target Rte Inst Ap TrqLOA.TrqLOA Per1 MotAgLoaMtgtnEn Cnt Igc	target TrqLOA_Per1_LatAcceiva	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_		
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	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	•
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0	0 ± 0.01	



Test Step 2.90 (Repeat Count = 1)	
Name	Input Value
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA
TrqLOA_LatAccScaleFactor_UIs_M_f32	0.5
TrqLOA_LatAccelSV_g_M_Str.SV_UIs_f32	0.34999994
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 k_TrqLOA_AbsAssistThreshold_MtrNm_f32	0.845299244 4.57784653
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	472.337891
k TrqLOA_AbsverTilleshold_withRadp3_132 k TrqLOA DiffScaleRateLimiterFalling UlspS f32	-90.0598679
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	8.68444347
k TrgLOA FallingRampRate UlspS f32	-755.761414
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_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
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 13107
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0] t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	12124
t2_rrqLOA_biirGainY_bis_u1p15[6][1] t2_rrqLOA_biirGainY_bis_u1p15[6][2]	12780
t2_frqLOA_biffGainY_Uls_u1p15[6][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	10158
t2_rrqLOA_biffGainY_Uls_u1p15[7][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	13107
t TrgLOA 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]	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]	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_f3	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_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_	<u>f</u> 32	
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	Expected 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	-0.00994118024 ± 0.01	•
TrqLOA_TloaCmd_MtrNm_M_f32	-0.00994124915	-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	-0.00994118024 ± 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	

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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_UIs_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_UIs_u1p15[3][3]	19661
t2_TrqLOA_DiffGainY_UIs_u1p15[4][0]	13763
t2_TrqLOA_DiffGainY_UIs_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_UIs_u1p15[6][0]	13763
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]	15892
t_TrqLOA_DiffGainX_G_u2p14[1]	16876





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	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_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	1		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	0	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 ± 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	0.255068064	
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)	
Name	Input Value
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.566056848
TrgLOA LatAccelSV g M Str.SV UIs f32	0.5
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0590000004
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-8.7202425
TrqLOA_TloaCmd_MtrNm_M_f32	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 -797.56189
k_TrqLOA_FallingRampRate_UlspS_f32 k_TrqLOA_LatAccConversionFactor_Uls_f32	0.5323295
k TrqLOA LimOutput MtrNm f32	8.8000019
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_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
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 2458
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1] 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_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] t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	16320 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 40960
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2] t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	41779
	71179





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	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_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_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_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOAAvail target_TrqLOA_Per1_TrqLOACmd			
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	0.7069453	u_крп_132		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	9.23353577			
target TrqLOA Per1 LatAccelValid Cnt Igc.value	1			
target TrqLOA Per1 MotAgLoaMtgtnEn Cnt Igc.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 Igc.value	0			
target TrqLOA Per1 VehicleSpeed Kph f32.value	481.622101			
Name	Actual Value	Expected Value	Result	
TrgLOA 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_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	0.853895903	
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_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_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		

Name	Input Value	
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA	
TrqLOA LatAccScaleFactor Uls M f32	0.820842862	
TrqLOA_LatAccelSV g M Str.SV Uls f32	0.100000001	
TrqLOA_LatAccelSV g M Str.K Uls f32	0.0610000007	
TrqLOA_Lanccei3v_g_w_Sti.K_Ois_i32 TrqLOA ScaledMtrTrqCmd MtrNm M f32	0.689402282	
TrqLOA_ScaledWit TrqCritd_MitNTI_M_132 TrqLOA_TloaCmd_MtrNm_M_f32	8.8000019	
TrqLOA_TrgBasedScaleFactor_Uls_M_f32	-1.40844035	
<pre><_TrqLOA_AbsAssistThreshold_MtrNm_f32</pre>	0.814378321	
<pre><_TrqLOA_AbsVelThreshold_MtrRadpS_f32</pre>	626.317505	
<pre><_frqLOA_biffScaleRateLimiterFalling_UlspS_f32</pre>	-20.6574211	
TrqLOA_DiffScaleRateLimiterPaining_Disp5_i52 TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	38.2228584	
k_TrqLOA_DillocaleRateLiffiterRishing_Disps_is2	-506.817291	
_ , _ , _ , _ , _	3.60301948	
k_TrqLOA_LatAccConversionFactor_Uls_f32		
<_TrqLOA_LimOutput_MtrNm_f32 <_TrqLOA_MayScaleEactor_Lillo_f32	1.56273842 0.758953691	
<_TrqLOA_MaxScaleFactor_Uls_f32	1	
k_TrqLOA_MinScaleFactor_Uls_f32		
<pre><_TrqLOA_NomDrvTrq_MtrNm_f32</pre>	0.133917198	
<pre><_TrqLOA_RisingRampRate_UlspS_f32</pre>	36.966835	
C_TrqLOA_SteerRatio_Uls_f32	91.9759598	
C_TrqLOA_UndersteerGrad_RadpG_f32	0.0435394794	
<pre><_TrqLOA_Wheelbase_M_f32</pre>	12.1447191	
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	
t2_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_UIs_u1p15[7][1]	12124 12780		
t2_TrqLOA_DiffGainY_UIs_u1p15[7][2] 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]	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]	4915		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	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_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]	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] target Rte Inst Ap TrqLOA.TrqLOA Per1 HandwheelAuthority Uls f32	22528 target_TrqLOA_Per1_HandwheelA	uthority I le 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_rel1_LatAccelVali		
target Rte Inst Ap TrqLOA.TrqLOA Per1 MotAgLoaMtgtnEn Cnt Igc	target TrqLOA Per1 MotAgLoaMi		
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_TrqLOA_Per1_VehicleSpee		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpee	d_Kph_f32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0.48769033		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	4.00134468		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	1		
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 TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-0 -1.33450663	0 ± 0.01 -1.33450663 ± 0.01	
	-1.33450063	-1.33450663 ± 0.01	
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value			



Test Step 2.96 (Repeat Count = 1)	L. W.
Name	Input Value
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.0248603821
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	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 k_TrqLOA_AbsAssistThreshold_MtrNm_f32	2 6.36726522
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	911.841431
k_TrqLOA_biffScaleRateLimiterFalling_UlspS_f32	-74.932785
k TrqLOA DiffScaleRateLimiterRising UlspS f32	44.4180794
k TrgLOA FallingRampRate UlspS f32	-766.490967
k_TrqLOA_LatAccConversionFactor_Uls_f32	9.63106155
k_TrqLOA_LimOutput_MtrNm_f32	4.86935091
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_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 15729
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[4][2] t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	19661
t2_TrqLOA_DiliGainY_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 TrgLOA 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]	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]	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]	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_HandwheelAuth	nority_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_C	Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_N		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc	target_TrqLOA_Per1_VehicleSpeedV		
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	3.06545424		
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]	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 21299
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2] 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_UIs_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]	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]	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]	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]	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
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
terest Dts lest As Test OA Test OA D 4 1 14 A C O C CC	
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





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_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_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	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		
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	✓

0

0 ± 0.01

Name	Input Value	
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA	
TrqLOA LatAccScaleFactor Uls M f32	0.821841478	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.25	
TrqLOA LatAccelSV g M Str.K Uls f32	0.0625	
TrqLOA ScaledMtrTrqCmd MtrNm M f32	-4.27574492	
TrqLOA_TloaCmd_MtrNm_M_f32	5.5	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	2	
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	10	
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	920.951111	
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-83.8934708	
k TrgLOA DiffScaleRateLimiterRising UlspS f32	85.6148682	
k TrqLOA FallingRampRate UlspS f32	-57.8031731	
k TrqLOA_r allingramprate_olspo_lsz k TrqLOA LatAccConversionFactor Uls f32	8.28598976	
k_TrqLOA_LimOutput_MtrNm_f32	7.97832537	
k_TrqLOA_LiniOdiput_Mithin_i32	0.560720205	
k_TrqLOA_MinScaleFactor_Uls_f32	0.692810535	
k_TrqLOA_NomDrvTrq_MtrNm_f32	5.78577137	
k_TrqLOA_RisingRampRate_UlspS_f32	143.039902	
k_TrqLOA_SteerRatio_Uls_f32	23.3712559	
k TrqLOA_Gleen\alio_Gls_i32	0.25	
k TrqLOA_UndersteerGrau_reaupg_lb2	10.1034899	
t2 TrqLOA_WifeGinaSe_W_IS2 t2 TrqLOA DiffGainY Uls u1p15[0][0]	655	
t2_TrqLOA_DiliGainY_Uis_u1p15[0][0] t2_TrqLOA_DiffGainY_Uis_u1p15[0][1]	2458	
t2_TrqLOA_DillGainY_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]		
t2_TrqLOA_DiffGainY_UIs_u1p15[2][0]	655 2458	
t2_TrqLOA_DiffGainY_UIs_u1p15[2][1]		
12_TrqLOA_DiffGainY_UIs_u1p15[2][2]	4915 6226	
I2_TrqLOA_DiffGainY_UIs_u1p15[2][3]	655	
12_TrqLOA_DiffGainY_Uls_u1p15[3][0]		
12_TrqLOA_DiffGainY_Uls_u1p15[3][1]	2458	
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	4915	
I2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	6226	
2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	655	
12_TrqLOA_DiffGainY_UIs_u1p15[4][1]	2458	
12_TrqLOA_DiffGainY_UIs_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	
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]	10486 11469		
t_TrqLOA_DiffGainX_G_u2p14[1] t_TrqLOA_DiffGainX_G_u2p14[2]	12780		
t_TrqLOA_DiffGainX_G_u2p14[3]	16384		
t TrgLOA HighSpeedTrgBlend 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_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] t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	56115 56934		
	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]	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]	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 23936		
t_TrqLOA_X_Kph_u10p6[5] 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 HandwheelAut	thority Uls f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSe	7= =	
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	tnEn_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_M	ltrRadpS_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_Hv	wDeg_f32	
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_I		
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	0.780582905		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	10		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	0		
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 TrgLOA Per1 VehicleSpeed Kph f32.value	185.611267		
Name	Actual Value	Expected Value	Result
TrqLOA LatAccScaleFactor Uls M f32	0.654054523	0.654054523	/ v
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.183643296	0.183643296 ± 0.01	<u> </u>
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-0.824145436	-0.824145436 ± 0.01	~
TrqLOA_TloaCmd_MtrNm_M_f32	-0.824145436	-0.824145436 ± 0.01	✓
Trail OA Trailleand Coole Footer IIIa M 622	1.00420200	1.88439369 ± 0.01	_
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	1.88439369	1.00433303 ± 0.01	
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	•





Test Step 2.99 (Repeat Count = 1)	Immut 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
TrqLOA_LatAccelSV g M Str.K Uls f32	0.063000001
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0.724759221
TrqLOA_TloaCmd_MtrNm_M_f32	7
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	1.29603338
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	9.3990984
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	436.613129
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-83.6676788
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	40.5314102
k_TrqLOA_FallingRampRate_UlspS_f32	-56.7299957
k_TrqLOA_LatAccConversionFactor_Uls_f32	9.13330269
k_TrqLOA_LimOutput_MtrNm_f32	8.80000019
k_TrqLOA_MaxScaleFactor_Uls_f32 k_TrqLOA_MinScaleFactor_Uls_f32	0.785330892
k_TrqLOA_NomDrvTrq_MtrNm_f32	0.288960457
k_TrqLOA_RisingRampRate_UlspS_f32	191.476471
k_TrqLOA_SteerRatio_Uls_f32	81.1621704
k_TrqLOA_UndersteerGrad_RadpG_f32	0.25
k_TrqLOA_Wheelbase_M_f32	16.883234
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 9830
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3] 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] t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	9503 9830
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[7][7]	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 13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2] t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	19661
t_TrqLOA_nignSpeedTrqBlend_r_Ois_u1p15[3] t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	22938
t_TrqLOA_nigitspeed trqbiend_t_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]	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_HandwheelAutl	hority_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_0	Cnt_lgc	
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_VehicleSpeedV	/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	0.72999084		
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	
k_TrqLOA_LatAccConversionFactor_Uls_f32	5.12441492	
k_TrqLOA_LimOutput_MtrNm_f32	1.73804796	
k_TrqLOA_MaxScaleFactor_Uls_f32	1	
k_TrqLOA_MinScaleFactor_Uls_f32	1	
k_TrqLOA_NomDrvTrq_MtrNm_f32	8.10569954	
k_TrqLOA_RisingRampRate_UlspS_f32	884.589783	
k_TrqLOA_SteerRatio_Uls_f32	75.4346848	
k_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_UIs_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
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_UIs_u1p15[7][0]	10158
t2_TrqLOA_DiffGainY_UIs_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]	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] t TrqLOA HighSpeedTrqBlend Y Uls u1p15[0]	14400 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]	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]	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_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





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	/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	-1365.74438		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-206.586578	-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	
TrqLOA LatAccelSV g M Str.SV Uls f32	0.330000013	
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.064000003	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-3.01082706	
TrqLOA TloaCmd MtrNm M f32	8	
TrqLOA TrqBasedScaleFactor Uls M f32	1.17187524	
<pre><_TrqLOA_AbsAssistThreshold_MtrNm_f32</pre>	1.75459635	
TrgLOA AbsVelThreshold MtrRadpS f32	433.937439	
TrgLOA DiffScaleRateLimiterFalling UlspS f32	-54.2950287	
<pre><_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32</pre>	59,0309486	
k_TrqLOA_FallingRampRate_UlspS_f32	-253.557938	
k TrqLOA_r allingreampreaco_oispo_is2	1.79567754	
k TrgLOA_EarAccookiversion actor_ois_isz	7.68047094	
k_TrqLOA_EIIIIOdiput_MitNiII_I32	0.682921767	
<pre><_frqLOA_MinScaleFactor_Uls_f32</pre>	0.51321137	
k TrgLOA NomDrvTrg MtrNm f32	7.61406374	
k TrgLOA RisingRampRate UlspS f32	982.168213	
<pre><_frqLOA_SteerRatio_Uls_f32</pre>	58.4313583	
k TrgLOA_0tccrNatio_0is_isz	0.25	
TrqLOA_Undersicerorad_Nadpo_lo2 TrqLOA Wheelbase M f32	7.67427111	
12 TrqLOA_VIIIccibasc_W_IS2 12 TrqLOA DiffGainY Uls u1p15[0][0]	13763	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	15729	
12_TrqLOA_DiffGainY_Uls_u1p15[0][1]	17039	
12_TrqLOA_DiffGainY_Uls_u1p15[0][3]	19661	
12_TrqLOA_DiffGainY_Uls_u1p15[0][0]	13763	
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	15729	
2 TrqLOA_DiffGainY_Uls_u1p15[1][2]	17039	
12_TIQLOA_DIRGAINT_OIS_UTP15[1][2] 12_TIQLOA_DIRGAINT_OIS_UTP15[1][3]	19661	
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	13763	
2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	15729	
12_TrqLOA_DiliGainY_Uls_u1p15[2][1] 12_TrqLOA_DiffGainY_Uls_u1p15[2][2]	17039	
2_TrqLOA_DiliGainY_Uls_u1p15[2][2]	19661	
2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	13763	
	15729	
2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	17039	
I2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	19661	
2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	13763	
2_TrqLOA_DiffGainY_Uls_u1p15[4][0]		
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	
2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	15729	
I2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	17039	
t2_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_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 17039		
t2_TrqLOA_DiffGainY_UIs_u1p15[7][2]	19661		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3] t_TrqLOA_DiffGainX_G_u2p14[0]	15892		
t TrgLOA 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] t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	37683 40960		
	41779		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3] t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	45056		
t TrgLOA_LatAccGain Y MtrNmpG u4p12[5]	45875		
t TrgLOA LatAccGain Y MtrNmpG u4p12[6]	49152		
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]	320 384		
t_TrqLOA_X_Kph_u10p6[5]	448		
t_TrqLOA_X_Kph_u10p6[6] t_TrqLOA_X_Kph_u10p6[7]	512		
target Rte Inst Ap TrqLOA.TrqLOA Per1 HandwheelAuthority Uls f32	target_TrqLOA_Per1_Handwhee	Authority Ills 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 TrgLOA Per1 MotAqLoal		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF	00	
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	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	ed_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_Igc.value	0 496.52182		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value		Evented Volum	D
Name Trail OA LetAssCoolsFactor IIIs M 622	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.85657686 0.272681743	0.85657686 0.272681743 ± 0.01	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32 TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0.272681743	0.272681743 ± 0.01 0 ± 0.01	
TrqLOA_Scaledwid TrqCffid_widthIn_w_132 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	





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





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_Igc	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_HwDeg_f32		
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_Rte_Inst_Ap_TrqLOA.TrqLOA Per1_VehicleSpeed Kph f32	target_TrqLOA_Per1_VehicleSpeed			
target TrqLOA Per1 HandwheelAuthority Uls f32.value	target_TrqLOA_Per1_VehicleSpeed 0.948918343	I_Κβ11_132		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	8.35726833			
target TrqLOA Per1 LatAccelValid Cnt Igc.value	0.53725655			
target TrqLOA Per1 MotAgLoaMtgtnEn Cnt Igc.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 Igc.value	0			
target TrqLOA Per1 VehicleSpeed Kph f32.value	111.518616			
Name	Actual Value	Expected Value	Result	
TrqLOA LatAccScaleFactor Uls M f32	0.529998779	0.529998779	Result	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	-6.86314344	-6.86314487 ± 0.01		
TrqLOA ScaledMtrTrqCmd MtrNm M f32	-1.12886703	-1.12886703 ± 0.01		
TrqLOA_TloaCmd_MtrNm_M_f32	-1.12886703	-1.12886703 ± 0.01		
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	1.47806621	1.47806633 ± 0.01		
target TrqLOA Per1 TrqLOAAvail Cnt Igc.value	0	0		
target TrgLOA Per1 TrgLOACmd MtrNm f32.value	-1.12886703	-1.12886703 ± 0.01		
angot_rigeon_rorr_rigeonomic_withvill_loz.value	1.12000100	-1.12000103 ± 0.01		

Name	Input Value	
Rte Inst Ap TrqLOA	target Rte Inst Ap TrgLOA	
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	
<_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-93.2124023	
<_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	3.52900672	
<_TrqLOA_FallingRampRate_UlspS_f32	-885.932068	
<pre><_TrqLOA_LatAccConversionFactor_Uls_f32</pre>	7.64222908	
<_TrqLOA_LimOutput_MtrNm_f32	3.30777383	
<pre><_TrqLOA_MaxScaleFactor_Uls_f32</pre>	1	
C_TrqLOA_MinScaleFactor_Uls_f32	1	
C_TrqLOA_NomDrvTrq_MtrNm_f32	1.14297307	
<pre><_TrqLOA_RisingRampRate_UlspS_f32</pre>	687.914795	
C_TrqLOA_SteerRatio_Uls_f32	93.624527	
c_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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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_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 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





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_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	
FrgLOA LatAccScaleFactor UIs M f32	0.622601509	
rqLOA LatAccelSV g M Str.SV Uls f32	0.550000012	
rqLOA LatAccelSV g M Str.K Uls f32	0.0654999986	
FrgLOA ScaledMtrTrgCmd MtrNm M f32	-3.16161966	
FrqLOA_TloaCmd_MtrNm_M_f32	-7	
rqLOA_TrqBasedScaleFactor_Uls_M_f32	2	
TrqLOA_AbsAssistThreshold_MtrNm_f32	0.333182216	
TrqLOA_AbsVelThreshold_MtrRadpS_f32	695.859253	
TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-37.716568	
TrqLOA DiffScaleRateLimiterRising UlspS f32	29.5977783	
TrqLOA FallingRampRate UlspS f32	-135.023148	
TrqLOA LatAccConversionFactor Uls f32	7.41816854	
: TrgLOA LimOutput MtrNm f32	7.3144207	
C_TrqLOA_MaxScaleFactor_Uls_f32	0.72124815	
C_TrqLOA_MinScaleFactor_Uls_f32	0.341758966	
C_TrqLOA_NomDrvTrq_MtrNm_f32	3.29703116	
C_TrqLOA_RisingRampRate_UlspS_f32	526.531982	
TrqLOA SteerRatio Uls f32	84.263443	
TrqLOA UndersteerGrad RadpG f32	0.150000006	
TrqLOA Wheelbase M f32	18.9389439	
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_rrqLOA_biilGainY_0i3_u1p15[1][0] 2_rrqLOA_biffGainY_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][2]	9830	
2_rrqLOA_biirGainY_0is_u1p15[3][3] 2_rrqLOA_biifGainY_Uls_u1p15[4][0]	6554	
2_rrqLOA_biirGainY_0is_u1p15[4][0] 2_rrqLOA_biifGainY_Uls_u1p15[4][1]	8192	
2_TrqLOA_DiffGainY_Uls_u1p15[4][1] 2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	9503	
2_TrqLOA_DiffGainY_Uls_u1p15[4][2] 2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	9830	
2_TrqLOA_DiffGainY_Uis_u1p15[5][0]	6554	
2_TrqLOA_DiffGainY_UIs_u1p15[5][0]	8192	
2_11qLOA_DiliGain1_Dis_01p15[5][1] 2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	9503	
2_11qLOA_DiliGain1_Dis_01p15[5][2] 2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	9830	
2_frqLOA_biffGainY_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]	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]	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]	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]	1600		
	1664		
t_TrqLOA_X_Kph_u10p6[1]			
t_TrqLOA_X_Kph_u10p6[2]	1728 1792		
t_TrqLOA_X_Kph_u10p6[3]			
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_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_0	Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMtgtr	nEn_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_Mtr	rRadpS_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_Hwl	Deg_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOAAvail_C	Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_M	1trNm_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSpeedV		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpeed_I		
target TrgLOA 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	0		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-186.463074		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-270.124939		
	0		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc.value			
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	✓
		1	

0

0 ± 0.01

target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value





Page April 1960	Test Step 2.105 (Repeat Count = 1)	· ·
Reg Image Test Dest		Input Value
Times		·
Top Co.D. Laboration 2, M Ser X U. 10.2		
TAQLOS Selection Trigonous Marker M. 192		
Top Code	TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0659999996
Tri_COA_ProfessedSecretary_U_B_CSE_ Tri_COA_Absertariate MarkedSecretary_U_B_CSE_ Tri_COA_Absertary_U_B_L_INSTRUM_U_B_U_INSTRUM_U_	TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-1.47555137
	TrqLOA_TloaCmd_MtrNm_M_f32	-6.5
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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] 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[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_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_DiffGainX_G_u2p14[3] 17920 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_UIs_u1p15[0] 6554 t_TrqLOA_HighSpeedTrqBlend_Y_UIs_u1p15[0] 13107 t_TrqLOA_HighSpeedTrqBlend_Y_UIs_u1p15[2] 13107 t_TrqLOA_HighSpeedTrqBlend_Y_UIs_u1p15[3] 16384 t_TrqLOA_HighSpeedTrqBlend_Y_UIs_u1p15[4] 19661 t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0] 36864 t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1] 37683	_ , ,,	
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] 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] 36864 t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1] 37683		
t_TrqLOA_DiffGainX_G_u2p14[2] 6390 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] 36864 t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1] 37683		
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] 36864 t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1] 37683		
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] 36864 t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1] 37683	_ , , , ,	
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_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_LatAccGain_Y_MtrNmpG_u4p12[0] 36864 t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1] 37683		
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_LatAccGain_Y_MtrNmpG_u4p12[0] 36864 t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1] 37683		
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_HighSpeedTrqBlend_Y_Uls_ulp15[1] 9830 t_TrqLOA_HighSpeedTrqBlend_Y_Uls_ulp15[2] 13107 t_TrqLOA_HighSpeedTrqBlend_Y_Uls_ulp15[3] 16384 t_TrqLOA_HighSpeedTrqBlend_Y_Uls_ulp15[4] 19661 t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0] 36864 t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1] 37683	t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	19200
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_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_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[0] 36864 t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1] 37683		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1] 37683		
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]	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_HandwheelAutho	prity_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_MtrRadpS_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_Igc	target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_Mt	rNm_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc	target_TrqLOA_Per1_VehicleSpeedVa	lid_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpeed_K	ph_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_Igc.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_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_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_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	<u> </u>

Name	Input Value
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA
FrqLOA_LatAccScaleFactor_UIs_M_f32	1
FrqLOA_LatAccelSV_g_M_Str.SV_UIs_f32	0.100000001
FrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0670000017
FrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0.0685558468
TrqLOA_TloaCmd_MtrNm_M_f32	-5.5 2
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	
<pre>c_TrqLOA_AbsAssistThreshold_MtrNm_f32</pre>	10
	56.3604622
C_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-6.15822935
C_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	47.5
c_TrqLOA_FallingRampRate_UlspS_f32	-154.366959
c_TrqLOA_LatAccConversionFactor_Uls_f32	7.79777288
c_TrqLOA_LimOutput_MtrNm_f32	7.17944431
c_TrqLOA_MaxScaleFactor_Uls_f32	0.191684842
c_TrqLOA_MinScaleFactor_Uls_f32	0.152980685
c_TrqLOA_NomDrvTrq_MtrNm_f32	4.2541213
c_TrqLOA_RisingRampRate_UlspS_f32	305.152161
c_TrqLOA_SteerRatio_Uls_f32	61.7665825
c_TrqLOA_UndersteerGrad_RadpG_f32	0.25
c_TrqLOA_Wheelbase_M_f32	9.20375919
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_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]	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		
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]	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_HandwheelAu	,	
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_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_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_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	_npii_i32	
0 = 1 = =			
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-7.77647305 1		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1		
target_TrqLOA_Per1_MotAgLoaMigthEn_Chi_igc.value target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	1549.29675		
target_TrqLOA_Per1_Mit_VelCKF_Mit_RadpS_i32.value 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		Expected Value	Dagu!
	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.987683535	0.987683535	
TrqLOA_LatAccelSV_g_M_Str.SV_UIs_f32	0.0822378099	0.0822378024 ± 0.01	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	Y
TrqLOA_TloaCmd_MtrNm_M_f32		0 ± 0.01	- J
TrqLOA_TrqBasedScaleFactor_UIs_M_f32	1.69126606	1.69126606 ± 0.01	
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	V

0

0 ± 0.01

target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value





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_Mp	SecSq_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_	_HwDegf32	
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	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	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_Uls_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	

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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_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]	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



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_TrqLOAAvai	I_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_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	1			
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-0.675880969			
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	1	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	-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	✓	
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0	0 ± 0.01	<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	0.25	
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	
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	4.86534548	
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	867.851563	
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-53.6917267	
TrqLOA DiffScaleRateLimiterRising UlspS f32	16.691412	
k TrgLOA FallingRampRate UlspS f32	-374.097443	
TrqLOA_r allingreampreaec_oispo_isz TrqLOA LatAccConversionFactor Uls f32	9.38450527	
k_TrqLOA_LimOutput_MtrNm_f32	7.53103209	
<pre><_frqLOA_LimOutput_MitMin_i32 </pre> <pre><_frqLOA_MaxScaleFactor_Uls_f32</pre>	1.33103209	
<pre><_frqLOA_MinScaleFactor_Uls_f32</pre>	1	
k_TrqLOA_NomDrvTrq_MtrNm_f32	8.40066051	
<pre><_frqLOA_RisingRampRate_UlspS_f32</pre>	637.547485	
	1.25581121	
	0.25	
<pre>c_TrqLOA_UndersteerGrad_RadpG_f32</pre>	11.7385378	
k_TrqLOA_Wheelbase_M_f32	10158	
12_TrqLOA_DiffGainY_Uls_u1p15[0][0]	12124	
2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	12124	
2_TrqLOA_DiffGainY_Uls_u1p15[0][2]		
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	
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	
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	10158	
2_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	

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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_UIs_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] t_TrqLOA_DiffGainX_G_u2p14[2]	15073 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] t TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	6554 11878		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	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_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_Rte_Inst_Ap_TrqLOA.TrqLOA Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_LatAccelVatarget_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 TrgLOA.TrgLOA 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	0.780942917		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	2.94417739		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.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_Igc.value	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	207.628235	-	
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.89261651	0.89261657	•
TrqLOA_LatAccelSV_g_M_Str.SV_UIs_f32	-2.72905231	-2.72905231 ± 0.01	•
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-0.122276023	-0.122275971 ± 0.01	•
	0.400070000		
TrqLOA_TloaCmd_MtrNm_M_f32	-0.122276023	-0.122275971 ± 0.01	•
	-0.122276023 0.112275004	-0.122275971 ± 0.01 0.112274952 ± 0.01	





Test Step 2.111 (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	0.0689999983
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	2.36725426
TrqLOA_TloaCmd_MtrNm_M_f32	-3.5
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	1.64986455
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	5.89984941
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32 k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	522.351868 -40.4528542
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	41.0359154
k_TrqLOA_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 k_TrqLOA_Wheelbase_M_f32	0.25 17.9989662
t2_TrqLOA_Virieeibase_ivi_i52 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] t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	15729 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_UIs_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_Uls_u1p15[4][3] t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	19661 13763
t2_TrqLOA_DiliGainY_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_Uls_u1p15[7][1]	15729 17039
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2] 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]	1880
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	19200
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0] 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]	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_HandwheelAuthority_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_Igc	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_Hw	Deg_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc	target_TrqLOA_Per1_TrqLOAAvail_C	Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_N	/trNm_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSpeedV	/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	0.214750648		
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_lgc.value	0		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	340.668121		
Name	Actual Value	Expected Value	Result
TrgLOA LatAccScaleFactor UIs 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	
TrgLOA 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 Igc.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_UIs_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

target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value



-0.884970009 ± 0.01

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_t	f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc	target_TrqLOA_Per1_TrqLOAAvail_Cnt_lg	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	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	✓

-0.884970009

lame	Input Value	
tte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA	
rqLOA LatAccScaleFactor Uls M f32	1	
rqLOA LatAccelSV g M Str.SV Uls f32	0.400000006	
rqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0700000003	
rqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	3.66137505	
rqLOA_Scaledivid HqCHd_withHin_w_32	-2.5	
rqLOA_rioacrid_withtin_w_is2	2	
_TrqLOA_AbsAssistThreshold_MtrNm_f32	3.75012302	
TrqLOA AbsVelThreshold MtrRadpS f32	131.759247	
	-59.3503685	
_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	12.0358582	
_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32		
_TrqLOA_FallingRampRate_UlspS_f32	-120.204285	
_TrqLOA_LatAccConversionFactor_Uls_f32	10	
_TrqLOA_LimOutput_MtrNm_f32	1.80586672	
_TrqLOA_MaxScaleFactor_Uls_f32	1	
_TrqLOA_MinScaleFactor_Uls_f32	1	
_TrqLOA_NomDrvTrq_MtrNm_f32	6.13124275	
_TrqLOA_RisingRampRate_UlspS_f32	743.417419	
_TrqLOA_SteerRatio_Uls_f32	50.2993546	
_TrqLOA_UndersteerGrad_RadpG_f32	0.25	
_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_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_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	

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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_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		
	17600		
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]	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		
	24166		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	27853		
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_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_Igc	target_TrqLOA_Per1_LatAccelValid_Cn		
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_MtrRa		
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_Cnt		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_MtrI		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target TrqLOA Per1 VehicleSpeedVali		
target_Rte_inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpeed_Kp		
		11_102	
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		
$target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value$	0		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	365.18869		
Name	Actual Value	Expected Value	Result
TrgLOA LatAccScaleFactor Uls M f32	0.881299257	0.881299257	~
TrqLOA LatAccelSV g M Str.SV UIs f32	0.305118859	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 Igc.value	0	0	
targot_riqLor_ror_riqLorAvail_orit_lgo.value		,	

-1.80586672

target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value

-1.80586672 ± 0.01



Test Step 2.114 (Repeat Count = 1)	Inner A Makes
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	0.0884144306 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	-34.7888794
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	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 k_TrqLOA_MinScaleFactor_Uls_f32	1 0.498461246
k_TrqLOA_NomDrvTrq_MtrNm_f32	7.2300097
k_TrqLOA_RisingRampRate_UlspS_f32	217.914246
k TrgLOA 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]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	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 9503
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2] 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 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_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 18880
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3] t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	19200
t_TrqLOA_HighSpeedTrqBlend_X_kpri_u10po[4] 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





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_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_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_VehicleSpeedValid_Cnt_lgc	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	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_Uls_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_UIs_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 10158
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0] t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	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_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]	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]	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]	320 640
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1] 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]	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 7296
t_TrqLOA_X_Kph_u10p6[1] 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]	7488 7552
t_TrqLOA_X_Kph_u10p6[6]	7552 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_Igc

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_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_lg	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_lgc	target_TrqLOA_Per1_VehicleSpeedValid_0	Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpeed_Kph_1	32	
target_TrqLOA_Per1_HandwheelAuthority_UIs_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	Ī	~

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_UIs_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]	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 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_Uls_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 46.1544571
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32 k_TrqLOA_FallingRampRate_UlspS_f32	-543.844055
k_TrqLOA_LatAccConversionFactor_UIs_f32	3.59191108
k TrqLOA LimOutput MtrNm f32	2.21100903
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] 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_Uls_u1p15[1][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	26214
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]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	19333 21299
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2] 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_UIs_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_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] t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	4160 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]	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





8640	
8704	
target_TrqLOA_Per1_HandwheelAuthority_UIs_f32	
target_TrqLOA_Per1_LatAcc_MpSecSq_f32	
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc	
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_Igc	
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	
OA_Per1_RelHwPos_HwDeg_f32	
OA_Per1_TrqLOAAvail_Cnt_lgc	
OA_Per1_TrqLOACmd_MtrNm_f32	
OA_Per1_VehicleSpeedValid_Cnt_lgc	
OA_Per1_VehicleSpeed_Kph_f32	
31 3	
5	
9	
lue Expected Value Resu	
9 0.287740499	
9 0.287740499 6 0.458055526 ± 0.01	
6 0.498099926 ± 0.01	
-1.29464546 ± 0.01	
1 ± 0.01	
0	
-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	

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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 32768
t2_TrqLOA_DiriGainY_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_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]	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 12780
t_TrqLOA_DiffGainX_G_u2p14[2] t_TrqLOA_DiffGainX_G_u2p14[3]	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 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]	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 28262
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5] t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	28262 33997
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	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
toward Dto Inot An Trail OA Trail OA Darid Lates At Co. 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





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_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_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	target_TrqLOA_Per1_VehicleSpeed_Kph_f32		
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0.420737267	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 TrgLOA Per1 TrgLOACmd MtrNm f32.value	0	0 ± 0.01	•	

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	0.10000001	
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0729999989	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-1.82143354	
TrqLOA_TloaCmd_MtrNm_M_f32	0.5	
FrqLOA_TrqBasedScaleFactor_Uls_M_f32	-0.583380878	
C TrgLOA AbsAssistThreshold MtrNm f32	4.14999008	
TrgLOA AbsVelThreshold MtrRadpS f32	876.559387	
TrgLOA DiffScaleRateLimiterFalling UlspS f32	-77.9407883	
TrgLOA DiffScaleRateLimiterRising UlspS f32	59.853447	
TrqLOA FallingRampRate UlspS f32	-352.786621	
TrgLOA LatAccConversionFactor Uls f32	6.628057	
TrgLOA LimOutput MtrNm f32	2.33613467	
<pre><_rrqLOA_MaxScaleFactor_Uls_f32</pre>	1	
<pre><_TrqLOA_MinScaleFactor_UIs_f32</pre>	0.544707656	
<pre>f32</pre>	6.10560083	
<pre>c</pre>	266.088531	
<pre>c_rqLOA_SteerRatio_Uls_f32</pre>	5.45895815	
TrgLOA UndersteerGrad RadpG f32	0.25	
<pre>c_rqLOA_Wheelbase_M_f32</pre>	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_UIs_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_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_UIs_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 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]	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] t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	13107 16384		
t TrqLOA HighSpeedTrqBlend Y Uls u1p15[4]	19661		
t_TrqLOA_nigrispeed11qbierid_1_0is_u1p13[4]	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 20890		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3] 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]	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] target Rte Inst Ap TrqLOA.TrqLOA Per1 HandwheelAuthority UIs f32	9728	agrifu I lla 199	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAdthonty_Ois_is2 target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_HandwheelAuth target_TrqLOA_Per1_LatAcc_MpSec		
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 MotAqLoaMtqtn	_0	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target TrqLOA Per1 MtrVelCRF Mtr		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_HwI		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOAAvail_C		
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_Igc	target_TrqLOA_Per1_VehicleSpeedVe	alid_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpeed_I	Kph_f32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0.147906661		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	1.12150919		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value 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	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	341.284576		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.844118416	0.844118416	~
TrqLOA_LatAccelSV_g_M_Str.SV_UIs_f32	0.718517244	0.718517303 ± 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	-0.0512037873	-0.0512038134 ± 0.01	~
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	~
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0	0 ± 0.01	~



Input Value
Input Value
target_Rte_Inst_Ap_TrqLOA
0.856627464 0.150000006
0.0734999999
-3.64224005
1
-0.575818539
5.72224617
614.205139
-60.9445
56.8051186
-947.540466
3.5310955
1.54906464
1
0.282221079
6.14293718
537.828125
18.7796841
0.25
2.62554789
10158
12124 12780
13107
10158
12124
12780
13107
10158
12124
12780
13107
0
0
0
0
10158
12124
12780
13107
10158
12124
12780 13107
10158
12124
12780
13107
10158
12124
12780
13107
14090
15073
17039
22938
8320
8640
8960
9280
9600
6554
9830
13107
16384
19661
00.400
20480
20480 21299 24576

TrqLOA_Per1



· -				
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_Handwhe	elAuthority_Uls_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_M	lpSecSq_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_Igc	target_TrqLOA_Per1_LatAccelV	/alid_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoa	aMtgtnEn_Cnt_lgc		
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	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	0.210905313			
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_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)		
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	
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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] t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	15729 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_UIs_u1p15[4][0]	13763
t2_TrqLOA_DiffGainY_UIs_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_Uls_u1p15[6][3] t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	19661 13763
t2_TrqLOA_DiliGainY_Uls_u1p15[7][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	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]	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 16384
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3] 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 10432
t_TrqLOA_X_Kph_u10p6[2] t_TrqLOA_X_Kph_u10p6[3]	10432
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_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



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	0.663388848		
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	1.42644894 ± 0.01	✓
TrqLOA_TloaCmd_MtrNm_M_f32	1.42644906	1.42644894 ± 0.01	✓
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.5092507	0.5092507 ± 0.01	✓
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	✓
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	1.42644906	1.42644894 ± 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_UIs_f32	0.25	
FrgLOA LatAccelSV g M Str.K Uls f32	0.074500002	
FrgLOA ScaledMtrTrqCmd MtrNm M f32	3.47551155	
FrqLOA_TloaCmd_MtrNm_M_f32	2	
FrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.0130735636	
<pre>c_TrqLOA_AbsAssistThreshold_MtrNm_f32</pre>	2.26314235	
C_TrqLOA_AbsVelThreshold_MtrRadpS_f32	892.332764	
<pre>c</pre>	-22.0116425	
TrgLOA DiffScaleRateLimiterRising UlspS f32	22.6167736	
TrgLOA FallingRampRate UlspS f32	-131.983978	
TrqLOA LatAccConversionFactor Uls f32	1.48893201	
C_TrqLOA_LimOutput_MtrNm_f32	4.19399071	
<pre><_frqLOA_Limoutput_Muthin_i32</pre> <pre><_frqLOA_MaxScaleFactor_Uls_f32</pre>	1	
C_TrqLOA_MinScaleFactor_Uls_f32	1	
C_TrqLOA_NomDrvTrq_MtrNm_f32	2.25471401	
rrqLOA_RisingRampRate_UlspS_f32	524.350281	
:_TrqLOA_SteerRatio_Uls_f32	63.0900269	
TrqLOA_SteerNatio_6is_is2	0.0236685574	
TrqLOA_OndersteerGrad_NadpG_I32	11.9219341	
2 TrqLOA_Wileeloase_M_I32 2 TrqLOA DiffGainY Uls u1p15[0][0]	17367	
	19333	
2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	21299	
2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	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_Uls_u1p15[7][1]	19333 21299		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2] 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]	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 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_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 15974		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2] 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		
t_TrqLOA_X_Kph_u10p6[6]	11200		
t_TrqLOA_X_Kph_u10p6[7] target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	11264 target TrgLOA 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 Igc	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	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		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpe	eed_Kph_f32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0.256499767		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-3.89680552		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value 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		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	281.498718		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.955976725	0.955976725	
TrqLOA_LatAccelSV_g_M_Str.SV_UIs_f32	0.697598696	0.697598696 ± 0.01	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32		3.38413596 ± 0.01	
	3.3841362		1
TrqLOA_TloaCmd_MtrNm_M_f32	3.3841362 3.3841362	3.38413596 ± 0.01	
TrqLOA_TloaCmd_MtrNm_M_f32 TrqLOA_TrqBasedScaleFactor_Uls_M_f32		3.38413596 ± 0.01 1 ± 0.01	
	3.3841362		•





Test Step 2.123 (Repeat Count = 1)	I-m-4 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 0.300000012
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
k_TrqLOA_FallingRampRate_UlspS_f32	-915.834595
k_TrqLOA_LatAccConversionFactor_Uls_f32 k_TrqLOA_LimOutput_MtrNm_f32	9.14552212 3.54621148
k_TrqLOA_EIIIOutput_withtin_i32 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_Uls_u1p15[0][3] t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	6226 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[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] t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	0220
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]	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] t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	4915 6226
t2_TrqLOA_DiliGainY_Uis_u1p15[0][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]	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[3] t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	1400
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]	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_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_f	32	
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	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_lgc.value	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	288.431671		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.804911733	0.804911733	•
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.281611413	0.281611413 ± 0.01	•
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0.0253538806	0.0253538694 ± 0.01	•
TrqLOA_TloaCmd_MtrNm_M_f32	0.0253538806	0.0253538694 ± 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	0.0253538694 ± 0.01	•

Name	Input Value	
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA	
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.0948557854	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.349999994	
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	

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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_UIs_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_bis_uip15[5][1] tz_TrqLoA_DiffGainY_Uls_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





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_TrqLOACr	nd_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	-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	✓
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	-0.317895025	-0.317895055 ± 0.01	

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_Uls_u1p15[6][1]	12124
	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]	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]	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	
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	13107





Test Step 2.126 (Repeat Count = 1)	Input Value
Name Rto Jost Ap Trail CA	Input Value
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA
TrqLOA_LatAccScaleFactor_UIs_M_f32	0.00941729546 0.44999988
TrqLOA_LatAccelSV_g_M_Str.SV_UIs_f32 TrqLOA_LatAccelSV_g_M_Str.K_UIs_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
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	53.0677528
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 13763
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0] t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	15729
t2_frqLOA_biliGalifY_bis_u1p15[0][1] t2_TrqLOA_bilfGainY_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 19661
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3] t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	0
t2_rrqLOA_biliGainY_bis_drp15[5][0] t2_rrqLOA_biliGainY_bis_drp15[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]	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]	17920
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	18240
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	18560 18880
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3] 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[1]	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





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_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_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	
arget_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	1		
arget_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	

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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_UIs_u1p15[1][2] 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_UIs_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]	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]	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_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]	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] t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	16384
t_TrqLOA_nightspeed frqblend_f_ols_ufp15[4]	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]	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 24986
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5] t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	24986
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_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

 $target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value$





-0.0731231719 ± 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_	_HwDegf32		
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_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	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	-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	✓	

-0.0731231868

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	
<pre><_TrqLOA_AbsAssistThreshold_MtrNm_f32</pre>	5.38269758	
<pre>c_rqLOA_AbsVelThreshold_MtrRadpS_f32</pre>	851.174866	
<pre><_rrqLOA_DiffScaleRateLimiterFalling_UlspS_f32</pre>	-82.625946	
TrgLOA DiffScaleRateLimiterRising UlspS f32	46.064209	
TrqLOA FallingRampRate UlspS f32	-193.040192	
TrqLOA LatAccConversionFactor Uls f32	5.52927876	
<pre><_frqLOA_LimOutput_MtrNm_f32</pre>	3.99039626	
<pre><_frqLOA_Limouput_MuMin_i32</pre> <_frqLOA_MaxScaleFactor_Uls_f32	1	
<pre><_rrqLOA_MinScaleFactor_Uls_f32</pre>	1	
<pre><_TrqLOA_NomDrvTrq_MtrNm_f32</pre>	7.06337452	
C_TrqLOA_RisingRampRate_UlspS_f32	713.560303	
C_TrqLOA_SteerRatio_Uls_f32	70.9857712	
TrqLOA_SteerNatio_Gis_is2	0.0938361883	
TrqLOA_OndersteerGrad_NadpG_I32	12.6651964	
2 TrgLOA DiffGainY Uls u1p15[0][0]	655	
2_TrqLOA_DiliGainY_Uls_u1p15[0][0] 2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	2458	
2_TrqLOA_DiliGainY_Uls_u1p15[0][2]	4915	
	6226	
2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	655	
2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	2458	
2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	4915	
2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	6226	
2_TrqLOA_DiffGainY_Uls_u1p15[1][3]		
2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	655 2458	
2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	- 1	
2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	4915 6226	
2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	655	
2_TrqLOA_DiffGainY_Uls_u1p15[3][0]		
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_UIs_u1p15[4][3]	6226	
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	
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_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 16384		
t_TrqLOA_DiffGainX_G_u2p14[3] 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		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4] t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	28672 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		
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]	13888		
t_TrqLOA_X_Kph_u10p6[1]	13952		
t_TrqLOA_X_Kph_u10p6[2] t TrqLOA_X_Kph_u10p6[3]	14016 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	_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelValid_Cn	nt_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	. –	
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_Cnt		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_Mtrl		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc target Rte Inst Ap TrqLOA.TrqLOA Per1 VehicleSpeed Kph f32	target_TrqLOA_Per1_VehicleSpeedVali		
target_Rte_inst_Ap_TrqLOA.TrqLOA_Peri_venicieSpeed_kpn_132 target_TrqLOA_Peri_HandwheelAuthority_Uls_f32.value	target_TrqLOA_Per1_VehicleSpeed_Kp 0.163787127	лт_1 0 2	
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-1.70545602		
target TrqLOA Per1 LatAccelValid Cnt Igc.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	V
target_TrqLOA_Per1_TrqLOACmd_MtxNm_f32.value	0 0 109414496	0 0 109414471 + 0 01	· ·
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0.108414486	0.108414471 ± 0.01	





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_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_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_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	0.383844972		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-0.118159592		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.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_lgc.value	0		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	478.792694		
Name	Actual Value Expected Value	Result	
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.409024805 0.409024805	•	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.48706758	•	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-0.590291202 -0.590291142 ± 0.01	•	
TrqLOA_TloaCmd_MtrNm_M_f32	-0.590291202 -0.590291142 ± 0.01	•	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.824724436	•	
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0 0		
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	





2. Tel A.D. Defician Mar. Mar. Mar.	Name	Input Value
2. Tel A.D., Briston, U.B., Ling Print 1978		•
2. TroLAD_Billicani, Us_siphStyllo	t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	12780
2 Trais.Do. Difficulty Us. p1515 17 2224 2 Trais.Do. Difficulty Us. p1515 12 2780 2 Trais.Do. Difficulty Us. p1515 12 2780 2 Trais.Do. Difficulty Us. p1515 12 2780 2 Trais.Do. Difficulty Us. p1515 12 2124 2 Trais.Do. Difficulty Us. p1515 12 2124 2 Trais.Do. Difficulty Us. p1515 12 2126 2 Trais.Do. Difficulty Us. p1515 12 2126 2 Trais.Do. Difficulty Us. p1515 13 2		13107
2_Trig (A.D., Biffsonn') Us., 1015(19)(2) 12780	t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	10158
2. Trea.O.A. Difficaniny Use, plot p8[10] 10168 2. Trea.O.A. Difficaniny Use, plot p8[10] 10168 2. Trea.O.A. Difficaniny Use, plot p8[10] 12124	t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	12124
2. Track D., Diffson' U.s., 1915(3) 1915(2) 1914(2	t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	12780
2. Trol. (A.). Delicanin', Usis. 11/15/2017 12726 2. Trol. (A.). Hisposperficialient', X. Kip. u. u. U. pitti 11/15/2017 12726 2. Trol. (A.). Deli	t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	13107
2. Trol. Q.D. PRICAMPY, U.S. JU 1950 17 3. Trol. Q.D. PRICAMPY, U.S. JU 1950 17 4. Trol. Q.D. PRICAMPY, U.S. JU 1950 17 5. Trol. Q.D. PRICAMPY, U.S. JU 1950 17 6. Trol. Q.D. PRICAMPY, U.S. JU 1950 17 7. Trol. Q.D. PRICAMPY,	t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	10158
2 Track D, DMGam', Us. 1 1 1 1 1 1	t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	12124
2. Trai, Q.D. DRISamy, Us. Jul 1951001 10168 21740, D.D. DRISamy, Us. Jul 195101 12124 2. Trai, Q.D. DRISamy, Us. Jul 195101 12224 2. Trai, Q.D. DRISamy, Us. Ju	t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	12780
2_TraCA_D_PRICARY_UBstp15 3 1 12124 2_TraCA_D_PRICARY_UBstp15 3 2 12780 2_TraCA_D_PRICARY_UBstp15 3 2 13107 2_TraCA_D_PRICARY_UBstp15 4 1 12124 2_TraCA_D_PRICARY_UBstp15 5 1 32788 2_TraCA_D_PRICARY_UBstp15 5 1 32788 2_TraCA_D_PRICARY_UBstp15 5 1 32788 2_TraCA_D_PRICARY_UBstp15 5 1 32788 2_TraCA_D_PRICARY_UBstp15 7 1 12124 2_TraCA_D_PRICARY_UBs	t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	13107
2. TroLO, D. Diffoamy V. Bu. jurt 1953 2 12780 2. TroLO, D. Diffoamy V. Bu. jurt 1954 11 12124 12780 2. TroLO, D. Diffoamy V. Bu. jurt 1954 11 12124 12780 2. TroLO, D. Diffoamy V. Bu. jurt 1954 12 12780 2. TroLO, D. Diffoamy V. Bu. jurt 1951 13 13107 2. TroLO, D. Diffoamy V. Bu. jurt 1951 13 13107 2. TroLO, D. Diffoamy V. Bu. jurt 1951 13 13107 2. TroLO, D. Diffoamy V. Bu. jurt 1951 13 13107 2. TroLO, D. Diffoamy V. Bu. jurt 1951 13 13107 2. TroLO, D. Diffoamy V. Bu. jurt 1951 13 13107 2. TroLO, D. Diffoamy V. Bu. jurt 1951 13 13107 2. TroLO, D. Diffoamy V. Bu. jurt 1951 13 13107 2. TroLO, D. Diffoamy V. Bu. jurt 1951 13 13107 2. TroLO, D. Diffoamy V. Bu. jurt 1951 13 32786 2. TroLO, D. Diffoamy V. Bu. jurt 1951 13 32786 2. TroLO, D. Diffoamy V. Bu. jurt 1951 13 32786 2. TroLO, D. Diffoamy V. Bu. jurt 1951 13 32786 2. TroLO, D. Diffoamy V. Bu. jurt 1951 13 32786 2. TroLO, D. Diffoamy V. Bu. jurt 1951 13 32786 2. TroLO, D. Diffoamy V. Bu. jurt 1951 13 32786 2. TroLO, D. Diffoamy V. Bu. jurt 1951 13 32786 2. TroLO, D. Diffoamy V. Bu. jurt 1957 13 32786 2. TroLO, D. Diffoamy V. Bu. jurt 1957 13 32786 2. TroLO, D. Diffoamy V. Bu. jurt 1957 13 32786 2. TroLO, D. Diffoamy V. Bu. jurt 1957 13 32786 2. TroLO, D. Diffoamy V. Bu. jurt 1957 13 32786 2. TroLO, D. Diffoamy V. Bu. jurt 1957 13 3279 2. TroLO, D. Diffoamy V. Bu. jurt 1957 13 3279 2. TroLO, D. Diffoamy V. Bu. jurt 1957 13 3279 2. TroLO, D. Diffoamy V. Bu. jurt 1957 13 3279 2. TroLO, D. Diffoamy V. Bu. jurt 1957 13 3279 2. TroLO, D. Diffoamy V. Bu. jurt 1957 14 3. TroLO, D. Highspeed Trollend V. Kib. J. Urbp 1961 3. TroLO, D. Highspeed Trollend V. Kib. J. Urbp 1961 3. TroLO, D. Highspeed Trollend V. S. Bu. J. Urbp 197 3. TroLO, D. Highspeed Trollend V. S. Bu. J. Urbp 197 3. TroLO, D. Highspeed Trollend V. S. Bu. Jurt 197 3. TroLO, D. Highspeed Trollend V. S. Jurt 197 3. TroLO, D. Highspeed Trollend V. S. Jurt 197 3. T	t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	
P_TOLO_D_DITGONY_UButrp15QUIS		
12_TricQ.D_Diffeany_Uis_upis54[1] 12124 12760		
12, Trigl.CAD Diffication Use up 154(4) 12124 2, Trigl.CAD Diffication Use up 154(4) 12780 2, Trigl.CAD Diffication Use up 154(5) 12780 2, Trigl.CAD Diffication Use up 154(7) 12124 2, Trigl.CAD Diffication Use up 154(7) 12124 2, Trigl.CAD Diffication Use up 154(7) 12124 2, Trigl.CAD Diffication Use up 154(7) 12790 2, Trigl.CAD Di		
2_TrigLO_D. Difficanty_Uis_uptifs[4][9] 12780 2_TrigLO_D. Difficanty_Uis_uptifs[5][9] 10158 2_TrigLO_D. Difficanty_Uis_uptifs[5][9] 10158 2_TrigLO_D. Difficanty_Uis_uptifs[5][9] 12740 2_TrigLO_D. Difficanty_Uis_uptifs[5][9] 12780 2_TrigLO_D. Difficanty_Uis_uptifs[6][9] 12780 2_TrigLO_D. Difficanty_Uis_uptifs[6][9] 32788 2_TrigLO_D. Difficanty_Uis_uptifs[7][9] 10158 2_TrigLO_D. Difficanty_Uis_uptifs[7][9] 10158 2_TrigLO_D. Difficanty_Uis_uptifs[7][9] 10158 2_TrigLO_D. Difficanty_Uis_uptifs[7][9] 12244 2_TrigLO_D. Difficanty_Uis_uptifs[7][9] 13007 2_TrigLO_D. Difficanty_Uis_uptifs[7][9] 14090 2_TrigLO_D. Difficanty_Uis_uptifs[7][9] 14090 2_TrigLO_D. Difficanty_Uis_uptifs[7][9] 14090 2_TrigLO_D. Difficanty_Uis_uptifs[7][9] 15073 2_TrigLO_D. Difficanty_Uis_uptifs[7][9] 15074 2_TrigLO_D. Diff		
12, TroLOA, DifficainY, Uise, up15[47]3 131072		
2_TriqCA_D_BirdSanY_Us_up15 5 5 0 10158 2_TriqCA_D_BirdSanY_Us_up15 5 0 12124 2_TriqCA_D_BirdSanY_Us_up15 5 0 12124 2_TriqCA_D_BirdSanY_Us_up15 5 0 13107 13107 2_TriqCA_D_BirdSanY_Us_up15 5 0 32768 2_TriqCA_D_BirdSanY_Us_up15 5 0 32768 2_TriqCA_D_BirdSanY_Us_up15 5 0 32768 2_TriqCA_D_BirdSanY_Us_up15 6 10 10158 2_TriqCA_D_BirdSanY_Us_up15 6 10 10158 2_TriqCA_D_BirdSanY_Us_up15 7 10 12124 2_TriqCA_D_BirdSanY_Us_up15 7 10 12124 2_TriqCA_D_BirdSanY_Us_up15 7 10 12124 2_TriqCA_D_BirdSanY_Us_up15 7 10 14000 14000 1_TriqCA_D_BirdSanY_Us_up15 7 10 14000 1_TriqCA_D_BirdSanY_Us_up15 7 10 14000 1_TriqCA_D_BirdSanX_Us_up15 7 10 14000 1_TriqCA_D_BirdSanX_Us_up15 7 10 14000 1_TriqCA_D_BirdSanX_Us_up14 0 14000 1_TriqCA_D_BirdSanX_Us_up14 0 14000 1_TriqCA_D_BirdSanX_Us_up14 0 14000 1_TriqCA_D_BirdSanX_Us_up14 0 1_TriqCA_D_BirdSanX_Us_up14 0 1_TriqCA_D_BirdSanX_Us_up14 0 1_TriqCA_D_BirdSanCa_Us_up14 0 1_Tri		
12_TrqLOA_DiffGainY_Us_utp15[5[1] 12124 12780		
12_Tra(LA_D. DiffGainY_Uis_utp15[6][2] 12780 13107 131		
12, TrqLoA_DiffGainY_Uis_utp15(6)[3] 32768 2, TrqLoA_DiffGainY_Uis_utp15(6)[0] 32768 2, TrqLoA_DiffGainY_Uis_utp15(6)[1] 32768 2, TrqLoA_DiffGainY_Uis_utp15(6)[2] 32768 2, TrqLoA_DiffGainY_Uis_utp15(6)[3] 32768 2, TrqLoA_DiffGainY_Uis_utp15(7)[0] 10158 2, TrqLoA_DiffGainY_Uis_utp15(7)[1] 12124 2, TrqLoA_DiffGainY_Uis_utp15(7)[1] 12124 2, TrqLoA_DiffGainY_Uis_utp15(7)[2] 12760 2, TrqLoA_DiffGainY_Uis_utp15(7)[3] 13107 TrqLoA_DiffGainY_Uis_utp15(7)[3] 13107 TrqLoA_DiffGainY_Uis_utp15(7)[3] 1307 TrqLoA_DiffGainX_G_u2p14(0) 14000 TrqLoA_DiffGainGainX_G_u2p14(0) 14000 TrqLoA		
12_TrqLoA_DiffGainY_Uis_utp15[6][0] 32788 22788 22_TrqLoA_DiffGainY_Uis_utp15[6][1] 32788 22_TrqLoA_DiffGainY_Uis_utp15[6][2] 32768 22_TrqLoA_DiffGainY_Uis_utp15[6][2] 32788 22_TrqLoA_DiffGainY_Uis_utp15[6][2] 32768 22_TrqLoA_DiffGainY_Uis_utp15[7][0] 10158 22_TrqLoA_DiffGainY_Uis_utp15[7][0] 10158 22_TrqLoA_DiffGainY_Uis_utp15[7][0] 12124 22_TrqLoA_DiffGainY_Uis_utp15[7][0] 12700 22_TrqLoA_DiffGainY_Uis_utp15[7][0] 12700 22_TrqLoA_DiffGainY_Uis_utp15[7][0] 13107 22_TrqLoA_DiffGainY_Uis_utp15[7][0] 13107 22_TrqLoA_DiffGainY_Uis_utp15[7][0] 15073 22_TrqLoA_DiffGainX_G_uzp14[0] 15073 22_TrqLoA_DiffGainX_G_uzp14[0] 15073 22_TrqLoA_DiffGainX_G_uzp14[0] 12_TrqLoA_DiffGainX_G_uzp14[0] 22_TrqLoA_DiffGainX_G_uzp14[0] 12_TrqLoA_DiffGainX_G_uzp14[0] 12_		
12_TrigLOA_DifficainY_Uis_up115(6)[1] 32788 12_TrigLOA_DifficainY_Uis_up115(6)[2] 32788 12_TrigLOA_DifficainY_Uis_up115(6)[3] 32788 12_TrigLOA_DifficainY_Uis_up115(7)[1] 10158 12_TrigLOA_DifficainY_Uis_up115(7)[1] 12124 12_TrigLOA_DifficainY_Uis_up115(7)[1] 12124 12_TrigLOA_DifficainY_Uis_up115(7)[2] 12780 13_TrigLOA_DifficainY_Uis_up115(7)[3] 13107 1_TrigLOA_DifficainX_G_uzp14(0) 14090 1_TrigLOA_DifficainX_G_uzp14(0) 14090 1_TrigLOA_DifficainX_G_uzp14(0) 17099 1_TrigLOA_DifficainX_G_uzp14(0) 17099 1_TrigLOA_DifficainX_G_uzp14(0) 19090 1_TrigLOA_DifficainX_G_uzp14(0) 10240 1_TrigLOA_DifficainX_G_uzp14(0) 10240 1_TrigLOA_HighSpeedTrigBiend_X_Kph_u10p6(0) 10240 1_TrigLOA_HighSpeedTrigBiend_X_Kph_u10p6(0) 10240 1_TrigLOA_HighSpeedTrigBiend_X_Kph_u10p6(0) 10880 1_TrigLOA_HighSpeedTrigBiend_X_Kph_u10p6(0) 10880 1_TrigLOA_HighSpeedTrigBiend_X_Kph_u10p6(0) 10880 1_TrigLOA_HighSpeedTrigBiend_X_Uis_up15(0) 10880 1_TrigLOA_HighSpeedTrigBiend_Y_Uis_up15(0) 10880 1_TrigLOA_LidAcccain_Y_MirNmpG_up12(0) 10880 1_Tr		
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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_LighSpeedTrqBlend_Y_Uls_u1p15[4] 19661 t_TrqLOA_LighSpeedTrqBlend_Y_Uls_u1p15[4] 19661 t_TrqLOA_LighSpeedTrqBlend_Y_Uls_u1p15[4] 19661 t_TrqLOA_LighSpeedTrqBlend_Y_Uls_u1p15[4] 19661 t_TrqLOA_LighSpeedTrqBlend_Y_Uls_u1p15[4] 19661 t_TrqLOA_LighSpeedTrqBlend_Y_Uls_u1p15[4] 19661 t_TrqLOA_LighSpeedTrqBlend_Y_UltrNmpG_u4p12[0] 19607 t_TrqLOA_LighSpeedTrqBlend_Y_UltrNmpG_u4p12[2] 19607 t_TrqLOA_LighSpeedTrqBlend_Y_UltrNmpG_u4p12[3] 19607 t_TrqLOA_LighSpeedTrqBlend_Y_UltrNmpG_u4p12[4] 19608 t_TrqLOA_LighSpeedTrqBlend_Y_UltrNmpG_u4p12[5] 196082 t_TrqLOA_LighSpeedTrqBlend_Y_UltrNmpG_u4p12[6] 196082 t_TrqLOA_LighSpeedTrqBlend_Y_UltrNmpG_u4p12[7] 196080 t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7] 196080 t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7] 196080 t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7] 292528 t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7] 298805 t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6] 297443 t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6] 39768 t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6] 39768 t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6] 39768 t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7] 30720 t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7] 30720 t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7] 30720	t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	10880
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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_LatAccGain_Y_MtrNmpG_u4p12[7] 61030 t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7] 6288 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] 27463 t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6] 37268 t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7] 30720 t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7] 30720 t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7] 30720 t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7] 30720 t_TrqLOA_X_Kph_u10p6[0] 14912	t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	9830
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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] 14912		
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] 14912		
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] 14912		
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] 14912		
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] 14912		
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] 14912		
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] 14912		
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] 14912		
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] 14912		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6] 32768 t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7] 30720 t_TrqLOA_X_Kph_u10p6[0] 14912		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7] 30720 t_TrqLOA_X_Kph_u10p6[0] 14912		
t_TrqLOA_X_Kph_u10p6[0] 14912		
	t_TrqLOA_X_Kph_u10p6[1]	



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_Igc	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	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	~
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	0.100000001	
TrqLOA LatAccelSV g M Str.K Uls f32	0.079000036	
TrqLOA ScaledMtrTrqCmd MtrNm M f32	3.91868973	
TrqLOA_TloaCmd_MtrNm_M_f32	6.5	
FrqLOA_TrqBasedScaleFactor_Uls_M_f32	-0.907211721	
<pre><_TrqLOA_AbsAssistThreshold_MtrNm_f32</pre>	9.06250286	
<pre><_rrqLOA_AbsVelThreshold_MtrRadpS_f32</pre>	156.679932	
<pre><_rrqLOA_DiffScaleRateLimiterFalling_UlspS_f32</pre>	-0.0322552323	
TrqLOA DiffScaleRateLimiterRising UlspS f32	29.8183842	
TrqLOA_BillingRampRate UlspS f32	-878.769714	
TrqLOA_r allingreampreaec_oispo_isz TrqLOA LatAccConversionFactor Uls f32	10	
<pre><_TrqLOA_LanceconversionFactor_ois_is2</pre> <pre><_TrqLOA_LimOutput_MtrNm_f32</pre>	8.42664528	
<pre><_frqLOA_LimOutput_MitMin_i32 </pre> <pre><_frqLOA_MaxScaleFactor_Uls_f32</pre>	1	
<pre><_TrqLOA_MinScaleFactor_Uls_f32</pre>	0.929057002	
<pre><_TrqLOA_NomDrvTrq_MtrNm_f32</pre>	1.06529593	
<pre><_frqLOA_RisingRampRate_UlspS_f32</pre>	906.051819	
	66.7969742	
	0.25	
c_TrqLOA_UndersteerGrad_RadpG_f32	1.63229978	
<pre>c_TrqLOA_Wheelbase_M_f32</pre>	13763	
2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	15729	
2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	17039	
2_TrqLOA_DiffGainY_Uls_u1p15[0][2]		
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_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]	11520		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	11840		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	12160 12480		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	12800		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	6554		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0] 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_ariginspeed frqbierid_1_ois_u1p15[4]	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_HandwheelAu		
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_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_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_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpeed target_TrqLOA_Per1_VehicleSpeed		
target TrgLOA Per1 HandwheelAuthority Uls f32.value	0.908415675	1_Kpi1_132	
target_TrqLOA_Per1_HandwheelAdthority_Dis_isz.value target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	5.94108057		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.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
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.999935508	0.999935508	Result
TrqLOA LatAcceSV g M Str.SV UIs f32	0.0436636657	0.999935506 0.0436636731 ± 0.01	
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 Igc.value	0.904892027	0.90489190810.01	
	•		

-0.819662869

target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value

-0.819662631 ± 0.01



Test Step 2.132 (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	1 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
k_TrqLOA_LatAccConversionFactor_Uls_f32	0.3057895
k_TrqLOA_LimOutput_MtrNm_f32	8.80000019
k_TrqLOA_MaxScaleFactor_Uls_f32	1
k_TrqLOA_MinScaleFactor_Uls_f32 k_TrqLOA_NomDrvTrq_MtrNm_f32	7.25052118
k_TrqLOA_NonDrvTrq_MuNnI_i32 k_TrqLOA_RisingRampRate_UlspS_f32	768.279846
k TrgLOA 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_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 TrgLOA 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] t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	26214 0
tz_rqLOA_DiffGainY_Uis_u1p15[7][0] t2_TrqLOA_DiffGainY_Uis_u1p15[7][1]	0
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	0
t2_rrqLOA_biifGainY_bis_urp15[7][2] t2_rrqLOA_biffGainY_Uls_u1p15[7][3]	0
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]	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_rrqLOA_HighSpeed.rqBiend_Y_Uis_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





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]	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_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_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	0.71404624		
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		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.856825352	0.856825352	•
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_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	0.200000003	
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0799999982	
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





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_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	

Name	Input Value	
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA	
TrqLOA LatAccScaleFactor Uls M f32	0.251682043	
TrqLOA LatAccelSV g M Str.SV Uls f32	0.25	
TrqLOA LatAccelSV g M Str.K Uls f32	0.0804999992	
TrqLOA_EdiAccellov_g_W_Ott.N_Ois_i02 TrqLOA ScaledMtrTrqCmd MtrNm M f32	7.99536085	
TrqLOA_Gealedwit HqGilid_MitrNii_M_i32 TrqLOA_TloaCmd_MtrNii_M_f32	8	
TrqLOA_TrgBasedScaleFactor_Uls_M_f32	-1.84285891	
<pre><_TrqLOA_AbsAssistThreshold_MtrNm_f32</pre>	2.39067173	
<pre><_TrqLOA_AbsVelThreshold_MtrRadpS_f32</pre>	844.036987	
<pre><_frqLOA_biffScaleRateLimiterFalling_UlspS_f32</pre>	-16.0573845	
TrqLOA_DiffScaleRateLimiterPaining_Disp5_i52 TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	76.3840561	
	-543.427917	
<pre><_TrqLOA_FallingRampRate_UlspS_f32</pre>	10	
<_TrqLOA_LatAccConversionFactor_Uls_f32		
<_TrqLOA_LimOutput_MtrNm_f32 <_TrqLOA_MayScaleEactor_Lillo_f32	6.49614382	
<_TrqLOA_MaxScaleFactor_Uls_f32	1	
<pre><_TrqLOA_MinScaleFactor_Uls_f32</pre>		
<pre><_TrqLOA_NomDrvTrq_MtrNm_f32</pre>	7.43302631	
<pre><_TrqLOA_RisingRampRate_UlspS_f32</pre>	513.813843	
	59.0387001	
K_TrqLOA_UndersteerGrad_RadpG_f32	0.25	
<pre><_TrqLOA_Wheelbase_M_f32</pre>	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_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]	13763		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	15729 17039		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2] t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	19661		
t_TrqLOA_DiffGainX_G_u2p14[0]	3277		
t TrgLOA 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]	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 56115		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	56934		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3] t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	58163		
t TrgLOA_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]	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 17344		
t_TrqLOA_X_Kph_u10p6[6] t_TrqLOA_X_Kph_u10p6[7]	17409		
target Rte Inst Ap TrqLOA.TrqLOA Per1 HandwheelAuthority Uls f32	target TrqLOA Per1 Handwheel	Authority I lle 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 TrqLOA Per1 LatAccelVal		
target Rte Inst Ap TrqLOA.TrqLOA Per1 MotAgLoaMtgtnEn Cnt Igc	target TrgLOA Per1 MotAgLoaM	0	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_	0 0	
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	d_MtrNm_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	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	1		
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	0 151.566467		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value		Expected Value	P "
Name Trail OA atAasSaalaFastar IIIa M 622	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_UIs_M_f32	0.299987793	0.299987793 0.212130412 ± 0.01	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32 TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0.212130412	0.212130412 ± 0.01 0 ± 0.01	
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-0.815231204	-0.815231204 ± 0.01	
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	
		0 ± 0.01	





Test Step 2.135 (Repeat Count = 1)	Innué 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 0.30000012
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
k_TrqLOA_FallingRampRate_UlspS_f32	-584.015686
k_TrqLOA_LatAccConversionFactor_Uls_f32	9.2230463
k_TrqLOA_LimOutput_MtrNm_f32	0
k_TrqLOA_MaxScaleFactor_Uls_f32	1
k_TrqLOA_MinScaleFactor_Uls_f32 k_TrqLOA_NomDrvTrq_MtrNm_f32	2.85271311
k_TrqLOA_Normaliving_wathin_i32	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_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 12780
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2] t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[2][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_UIs_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] 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]	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]	14720
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	15040 15360
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2] t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	15360 15680
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3] 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





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]	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_Handwheel	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_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_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	-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	•

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	0.0815000013	
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	

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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_Uls_u1p15[2][2] t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	19661
t2_TrqLOA_DiriGainY_UIs_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]	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

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_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	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	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	✓

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	0.40000006	
TrqLOA LatAccelSV g M Str.K Uls f32	0.0820000023	
TrqLOA ScaledMtrTrqCmd MtrNm M f32	-1.95104527	
TrqLOA_TloaCmd_MtrNm_M_f32	1	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-1.5306412	
<pre><</pre>	4.52871656	
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	857.356201	
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-42.939986	
k TrgLOA DiffScaleRateLimiterRising UlspS f32	43.6063995	
k TrgLOA FallingRampRate UlspS f32	-924.257385	
k TrgLOA LatAccConversionFactor Uls f32	10	
k_TrqLOA_LimOutput_MtrNm_f32	8.10000038	
k_TrqLOA_EIIIIOutput_witriiii_io2 k_TrqLOA_MaxScaleFactor_Uls_f32	1	
k_TrqLOA_MinScaleFactor_Uls_f32	1	
k_TrqLOA_NomDrvTrq_MtrNm_f32	6.53715372	
<pre><_rrqLOA_RisingRampRate_UlspS_f32</pre>	299.682953	
<pre><_rrqLOA_SteerRatio_Uls_f32</pre>	12.8664446	
TrqLOA_0lccrNalio_0is_isz TrqLOA UndersteerGrad RadpG f32	0.25	
TrqLOA Wheelbase M f32	14.8343668	
2 TrqLOA DiffGainY Uls u1p15[0][0]	17367	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	19333	
2_TrqLOA_DiliGainY_Uls_u1p15[0][2]	21299	
	26214	
:2_TrqLOA_DiffGainY_Uls_u1p15[0][3] :2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	17367	
	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_UIs_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	
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	21299	
12_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_UIs_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_UIs_u1p15[7][3]	26214		
t_TrqLOA_DiffGainX_G_u2p14[0]	8684		
t_TrqLOA_DiffGainX_G_u2p14[1]	9667		
t TrgLOA DiffGainX G u2p14[2]	10650		
t_TrqLOA_DiffGainX_G_u2p14[3]	13107		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	17920		
	18240		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	18560		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	18880		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	19200		
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]	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 TrgLOA 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_HandwheelAu	,	
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		
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	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	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_lgc.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	Jount
TrqLOA_tatAccelSV_g_M_Str.SV_UIs_f32	0.564272463	0.564272463 ± 0.01	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0.304272403	0.504272403 ± 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	-0.931275169 ± 0.01	_
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0	0 ± 0.01	





Test Step 2.138 (Repeat Count = 1)	Input Value
Name Pto Jost An Trai OA	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 0.44999988
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0125000002
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-8.20992279
TrqLOA_Scaledwit TrqOnid_MidWin_M_I32 TrqLOA_TloaCmd_MtrNm_M_f32	1.5
TrqLOA_TrgBasedScaleFactor_Uls_M_f32	1.30465853
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	6.82178497
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	443.192719
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_Uls_f32	74.9874039
k_TrqLOA_UndersteerGrad_RadpG_f32	0.25
k_TrqLOA_Wheelbase_M_f32	7.12618113
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_UIs_u1p15[3][0]	655
t2_TrqLOA_DiffGainY_UIs_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 2458
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3] t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	655
t2_rrqLOA_biliGainY_bis_drp15[5][0] t2_rrqLOA_biliGainY_bis_drp15[5][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	4915
t2_frqLOA_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
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]	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_HandwheelAut		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSec	_	
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_0		
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_	_Kpnf32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	-2.65734434		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	-2.05/34434		
target TrqLOA Per1 MotAgLoaMtgtnEn Cnt Igc.value	1		
target TrqLOA Per1 MtrVelCRF MtrRadpS f32.value	269.040253		
	-753.235291		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value target TrqLOA Per1 VehicleSpeedValid Cnt lgc.value	1		
target TrqLOA Per1 VehicleSpeed Kph f32.value	460.389832		
Name		Eveneted Value	Desuit
	Actual Value	Expected Value 0.988884807	Result
TrqLOA_LatAccScaleFactor_UIs_M_f32	0.988884807 0.435756564	0.435756564 ± 0.01	
TrqLOA_LatAccelSV_g_M_Str.SV_UIs_f32 TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-0.42870152	-0.42870155 ± 0.01	
TrqLOA_Scaledwit TrqCritd_withVin_w_is2 TrqLOA_TloaCmd_MtrNm_M_f32	-0.42870152	-0.42870155 ± 0.01 -0.42870155 ± 0.01	
	0.111157894	0.111157894 ± 0.01	
TrqLOA_TrqBasedScaleFactor_UIs_M_f32 target TrqLOA Per1 TrqLOAAvail Cnt Igc.value	0.111157894	0.111157894 ± 0.01	
target_IrqLOA_Per1_IrqLOAAvail_Cnt_lgc.value target TrqLOA Per1_TrqLOACmd MtrNm f32.value	-0.42870152	-0.42870155 ± 0.01	
target_frqtOA_rerr_frqtOAOmd_withvin_i32.value	-0.420/0102	-U.420/U100 ± U.U1	

Name	Input Value	
Rte Inst Ap TrqLOA	target Rte Inst Ap TrqLOA	
TrqLOA LatAccScaleFactor UIs 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_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_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_UIs_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]	13271
t_TrqLOA_DiffGainX_G_u2p14[2]	14909
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]	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_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]	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]	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_TrqLOA_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target Trol OA Peri LatAcc MnSecsa 52
target_Rte_inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthonty_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

 $target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value$





Name -	Innert Wales			
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_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	0.803684115			
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 TrgLOA Per1 TrgLOAAvail Cnt lgc.value	0	0	✓	

0

0 ± 0.01

lame	Input Value	
te_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA	
rgLOA LatAccScaleFactor Uls M f32	0.248834133	
rqLOA LatAccelSV g M Str.SV Uls f32	0.550000012	
rqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.5	
rqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	1.02403057	
rqLOA TloaCmd MtrNm M f32	1	
rqLOA_rrqBasedScaleFactor_Uls_M_f32	-0.991099596	
_TrqLOA_AbsAssistThreshold_MtrNm_f32	7.02691031	
TrgLOA AbsVelThreshold MtrRadpS f32	117.90097	
TrgLOA DiffScaleRateLimiterFalling UlspS f32	-83.1473618	
_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	42,0359383	
	-36.5625839	
_TrqLOA_FallingRampRate_UlspS_f32		
_TrqLOA_LatAccConversionFactor_Uls_f32	6.11463165	
_TrqLOA_LimOutput_MtrNm_f32	6.10116196	
_TrqLOA_MaxScaleFactor_Uls_f32	· ·	
_TrqLOA_MinScaleFactor_UIs_f32	0.183480024	
_TrqLOA_NomDrvTrq_MtrNm_f32	8.8000019	
_TrqLOA_RisingRampRate_UlspS_f32	569.790222	
_TrqLOA_SteerRatio_Uls_f32	68.2026367	
_TrqLOA_UndersteerGrad_RadpG_f32	0.0847294927	
_TrqLOA_Wheelbase_M_f32	18.9199467	
?_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	
P_TrqLOA_DiffGainY_Uls_u1p15[1][0]	10158	
P_TrqLOA_DiffGainY_Uls_u1p15[1][1]	12124	
P_TrqLOA_DiffGainY_Uls_u1p15[1][2]	12780	
P_TrqLOA_DiffGainY_Uls_u1p15[1][3]	13107	
P_TrqLOA_DiffGainY_Uls_u1p15[2][0]	10158	
P_TrqLOA_DiffGainY_Uls_u1p15[2][1]	12124	
P_TrqLOA_DiffGainY_Uls_u1p15[2][2]	12780	
P_TrqLOA_DiffGainY_Uls_u1p15[2][3]	13107	
P_TrqLOA_DiffGainY_Uls_u1p15[3][0]	10158	
P_TrqLOA_DiffGainY_Uls_u1p15[3][1]	12124	
P_TrqLOA_DiffGainY_Uls_u1p15[3][2]	12780	
P_TrqLOA_DiffGainY_Uls_u1p15[3][3]	13107	
P_TrqLOA_DiffGainY_Uls_u1p15[4][0]	10158	
P_TrqLOA_DiffGainY_Uls_u1p15[4][1]	12124	
P_TrqLOA_DiffGainY_Uls_u1p15[4][2]	12780	
_TrqLOA_DiffGainY_Uls_u1p15[4][3]	13107	
_TrqLOA_DiffGainY_Uls_u1p15[5][0]	10158	
P_TrqLOA_DiffGainY_Uls_u1p15[5][1]	12124	
P_TrqLOA_DiffGainY_Uls_u1p15[5][2]	12780	
P_TrqLOA_DiffGainY_Uls_u1p15[5][3]	13107	
P_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_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		
t TrqLOA DiffGainX G u2p14[2]	15073 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_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] t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	25395		
t TrgLOA_LatAccGain_Y_mtrNmpG_u4p12[5]	28672 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]	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 20416		
t_TrqLOA_X_Kph_u10p6[6] 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 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_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	0.923748732		
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 target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-984.367676		
target_TrqLOA_Per1_ReinwPos_nwDeg_isz.value target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	241.496582		
Name	Actual Value	Expected Value	Result
TrqLOA LatAccScaleFactor Uls M f32	0.332906008	0.332906008	Nesult
TrqLOA LatAccelSV g M Str.SV Uls f32	-0.724869788	-0.724869788 ± 0.01	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-0.0118510947	-0.0118510956 ± 0.01	
TrqLOA_TloaCmd_MtrNm_M_f32	-0.0118510947	-0.0118510956 ± 0.01	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.148480892	0.148480892 ± 0.01	
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	-0.0118510947	-0.0118510956 ± 0.01	



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





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]	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		
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]	328		
t_TrqLOA_DiffGainX_G_u2p14[1]	1229		
t_TrqLOA_DiffGainX_G_u2p14[2]	2458		
t_TrqLOA_DiffGainX_G_u2p14[3]	3113 320		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]			
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]	3277		
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 4096		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]			
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	4915 8192		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	9011		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	12288		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	13107		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	16384		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	17203		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	4096		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	8192		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1] t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	14336		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	15974		
t TrqLOA TempTrqCmdSatYTbl_within_u4p12[4]	17613		
t TrgLOA TempTrgCmdSatYTbl 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		
target Rte Inst Ap TrqLOA.TrqLOA Per1 HandwheelAuthority Uls f32	target_TrqLOA_Per1_Handw	heelAuthority IIIs f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target TrqLOA Per1 LatAcc		
target Rte Inst Ap TrqLOA.TrqLOA Per1 MotAgLoaMtgtnEn Cnt Igc	target TrqLOA_Per1_LatAcc	~	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVel0	· ·	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_Mit/VeiCKP_Mit/Raups_is2	target_TrqLOA_Per1_RelHwl		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_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_Vehicle		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_Vehicle		
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_LarAccervalid_Crit_igc.value	1		
target_TrqLOA_Per1_MotAgLoaMigtriEn_Crit_igc.value target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	1986.76208		
target_TrqLOA_Per1_Mit/veiOKP_Mit/Kaup3_i32.value	290.911285		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
	392 295563		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	392.295563 Actual Value	Expected Value	Result





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	
FrqLOA_LatAccScaleFactor_Uls_M_f32	1	
FrqLOA_LatAccelSV_g_M_Str.SV_UIs_f32	0.150000006	
FrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0135000004	
FrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	8.80000019 -7.5	
FrqLOA_TloaCmd_MtrNm_M_f32 FrqLOA_TrqBasedScaleFactor_Uls_M_f32	-0.399481773	
	9.01481533	
<pre>c_TrqLOA_AbsAssistThreshold_MtrNm_f32</pre> c_TrqLOA_AbsVelThreshold_MtrRadpS_f32	479.457977	
- ·		
c_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32 c_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	-27.0471287 59.5514755	
- ·	-645.648438	
c_TrqLOA_FallingRampRate_UlspS_f32 c_TrqLOA_LatAccConversionFactor_Uls_f32	8.51897812	
C_TrqLOA_LimOutput_MtrNm_f32	1.56783617	
C_frqLOA_LimOutput_witrviii_is2 c_frqLOA_MaxScaleFactor_Uls_f32	1	
<pre><_frqLOA_MinScaleFactor_UIs_f32</pre>	0.791850328	
C_TrqLOA_NomDrvTrq_MtrNm_f32	8.80000019	
	618.79248	
c_TrqLOA_RisingRampRate_UlspS_f32 c_TrqLOA_SteerRatio_Uls_f32	37.3851547	
- ·	0.0208133459	
<pre><_TrqLOA_UndersteerGrad_RadpG_f32 <_TrqLOA_Wheelbase_M_f32</pre>	7.83032274	
	6554	
2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	8192	
2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	9503	
2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	9830	
2_TrqLOA_DiffGainY_Uls_u1p15[0][3] 2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	6554	
	8192	
2_TrqLOA_DiffGainY_Uls_u1p15[1][1] 2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	9503	
2_TrqLOA_DiffGainY_Uls_u1p15[1][2] 2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	9830	
2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	6554	
2_TrqLOA_DiffGainY_Uls_u1p15[2][0] 2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	8192	
2_TrqLOA_DiliGainY_Uis_u1p15[2][1] 2_TrqLOA_DiffGainY_Uis_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_UIs_u1p15[6][0]	6554	
2 TrqLOA_DiffGainY_UIs_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_UIs_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	
TrqLOA_DiffGainX_G_u2p14[0]	3277	
TrqLOA DiffGainX G u2p14[1]	4096	
_TrqLOA_DiffGainX_G_u2p14[1]	4751	
_TrqLOA_DiffGainX_G_u2p14[2] _TrqLOA_DiffGainX_G_u2p14[3]	4915	
_TrqLOA_BillGalitA_G_u2p14[3] _TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	1920	
_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	2240	
_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	2560	
_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	2880	
rrqLOA_rrighSpeedTrqBlend_X_rshi_u10p6[3]	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_lgc	target_TrqLOA_Per1_MotAgLoaMtgt	nEn_Cnt_lgc	
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_Igc	target_TrqLOA_Per1_TrqLOAAvail_0	Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_N	/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	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	
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 Igc.value	0	0	
target_TrgLOA_Per1_TrgLOACmd_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_ariginspeed frqbierid_f_ois_ufp15[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
	OLU 1





Name	Input Value		
t_TrqLOA_X_Kph_u10p6[3]	3328		
t_TrqLOA_X_Kph_u10p6[4]	3392	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	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_Igc	target_TrqLOA_Per1_LatAccelValid_Cnt	:_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMtgtnEr	_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_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	0.0280352831		
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





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_UIs_u1p15[5][2]	12780 13107
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3] t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	10158
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]	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]	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
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
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] t TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	23347 24986
t TrqLOA_rempTrqCmdSatYTbl_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_Per1_LatAcceWpSecSq_132 target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAcce_MpSecSq_152 target_TrqLOA_Per1_LatAccelValid_Cnt_lgc
target Rte Inst Ap TrqLOA.TrqLOA Per1 MotAgLoaMtgtnEn Cnt Igc	target TrqLOA Per1 MotAqLoaMtgtnEn 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_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 target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-1839.10022
goquoi oi i_ivit voioiti _iviti taupo_ioz.value	
target TrgLOA Per1 RelHwPos HwDeg f32.value	-592
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	-592 1

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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][1]	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 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		
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_HandwheelAi	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_Igc	target_TrqLOA_Per1_LatAccelValid		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_Igc	target_TrqLOA_Per1_Laraccervalid_Crit_igc target_TrqLOA_Per1_MotAgLoaMtgtnEn_Crit_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		
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 TrgLOA Per1 HandwheelAuthority Uls f32.value	target_TrqLOA_Per1_VehicleSpeed_Kph_f32 0.828065395		
target TrqLOA Per1 LatAcc MpSecSq f32.value	-10		
target TrqLOA Per1 LatAccelValid Cnt Igc.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 Igc.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	recuit
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_Scaledwid TrqCinia_widNini_wi_132 TrqLOA TloaCmd MtrNm M f32	-1.15138853	-1.15138853 ± 0.01	
TrqLOA_TrgBasedScaleFactor_Uls_M_f32	1	1 ± 0.01	
	0	0	
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value			

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_UIs_u1p15[5][1] t2_TrqLOA_DiffGainY_UIs_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	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_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_Igc	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	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	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 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_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_TrqLOACritiq_MttNtili_i32 target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc	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





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_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
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		
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_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_LatAccelVal	lid_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaN	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_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	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	2.87261653		
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	
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	1	1	•
target_TrqLOA_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_TrqLOA_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_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_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_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_UIs_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]	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 13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2] t TrqLOA HighSpeedTrqBlend Y Uls u1p15[3]	13107 16384
	19661
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	53248
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0] 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_rrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3] t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	58163
	60211
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	60621
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6] t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	61030
t_TrqLOA_tatAccGain_r_MtrNmpG_u4p12[7] t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	5734
t_TrqLOA_rempTrqCmdSatYTbl_MtrNm_u4p12[1]	10650
	15974
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	16794 19251
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	20890
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	
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

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Name	Input Value			
t_TrqLOA_X_Kph_u10p6[2]	7872	7872		
t_TrqLOA_X_Kph_u10p6[3]	7936			
t_TrqLOA_X_Kph_u10p6[4]	8000	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_Igc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_Mt	rNm_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_Kph_f32			
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	1			
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-6.5	-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_rrqLOACinid_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	
talget_11qLOA_r et 1_witt velotit _wittNaupo_152.value	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_Uls_f32	0.670000017
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.714999974
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	10
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	1000
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	0
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	100
k_TrqLOA_FallingRampRate_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_NomDrvTrq_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_UIs_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 32768
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3] t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	32768
t2_TrqLOA_DiliGainY_Uls_u1p15[4][0] t2_TrqLOA_DilfGainY_Uls_u1p15[4][1]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[4][7]	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 TrgLOA DiffGainY Uls u1p15[5][3]	32768
t2_TrqLOA_DiffGainY_UIs_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_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]	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





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 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]	36045 25600		
t_TrqLOA_X_Kph_u10p6[1]	25600		
t TrgLOA X Kph u10p6[2]	25600		
t_TrqLOA_X_Kph_u10p6[3]	25600		
t TrqLOA X Kph u10p6[4]	25600		
	25600		
t_TrqLOA_X_Kph_u10p6[5]			
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_HandwheelAuthority_Uls_f32 target_TrqLOA_Per1_LatAcc_MpSecSq_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		
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_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	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_lgc.value	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	511		
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 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	

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Name	Input Value
k_TrqLOA_LatAccConversionFactor_Uls_f32	1.32888663
k_TrqLOA_LimOutput_MtrNm_f32	0.718581259
k TrqLOA 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_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_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_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_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]	25395 25805
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7] t_TrqLOA_X_Kph_u10p6[0]	2112
t_TrqLOA_X_Kph_u10p6[1]	2176
	LIIV





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_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	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	•