

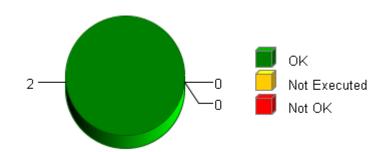
#### **Summary**

## **Overall Test Object Results (including Coverage)**



2015-06-23 Date: 13:21:14+0530

Time:



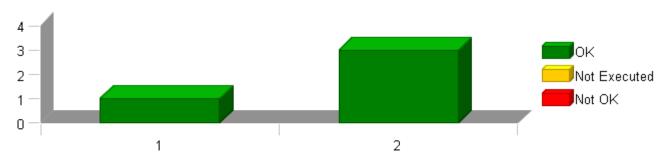
#### **Selected Project Items**

Test Object "CBD UnitTest/TrqLOA/TrqLOA Init1" Test Object "CBD\_UnitTest/TrqLOA/TrqLOA\_Per1"

#### **Used Test Environments**

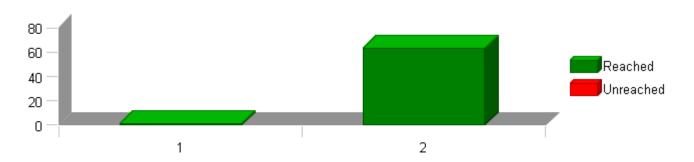
TI TMS 570 PLS UDE (Default)

## **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).

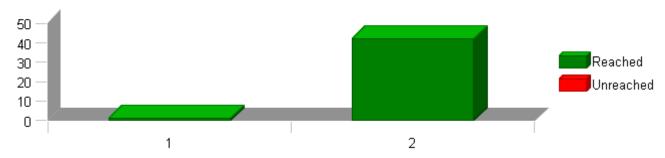
#### Statement (C0) Coverage: Total Statements for Each Test Object





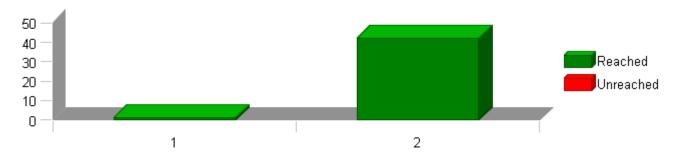
The table above shows each test object on the x axis and the number of statements of the respective test object on the y axis. Each bar is divided into reached statements (i.e. statements that have been executed during the test) and unreached statements.

## 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.

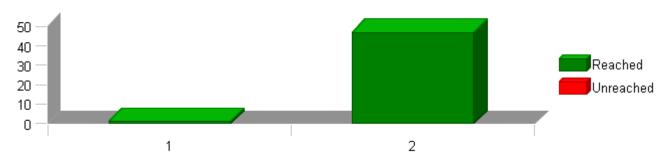
## **Decision Coverage: Total Decision Outcomes for Each Test Object**



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

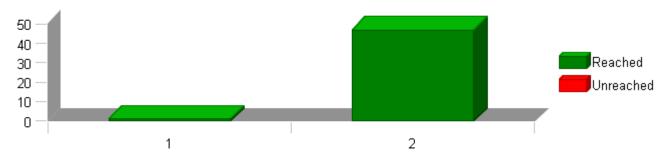


The table above shows test objects on the x axis and the number of condition combinations of all decisions of the respective test object on the y axis. The number of condition combinations is based on the number of boolean conditions within each decision of the test object. To achieve full MC/DC coverage, 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_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\include -I\$(PROJECTROOT)\NxtrLib\include -I\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler \tms470_4.9.5\include		
File	\$(PROJECTROOT)\NxtrLib\src\interpolation.c		
Compiler Options	-D_DATA_ACCESS= -Dconst= -I\$(PROJECTROOT)\TrqLOA\utp\Contract -I\$(PROJECTROOT)\TrqLOA\utp\Contract\Ap_TrqLOA -I\$ (PROJECTROOT)\StdDef\include -I\$(PROJECTROOT)\NxtrLib\include -I\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler \tms470_4.9.5\include		

Attributes				
Name	Value			
Compiler Install Path	\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler\tms470_4.9.5			
Float Precision	9			
InitObjDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\obj			
InitSrcDir	\$(PROJECTROOT)\UnitTestEnv\static_build_files\src			
Linker File	\$(PROJECTROOT)\UnitTestEnv\static_build_files\sys_link.cmd			
Makefile Template	<pre>\$(PROJECTROOT)\UnitTestEnv\config\Nexteer_ts_make_ude_ti_tms570_ps.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)	<b>√</b>
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)	<b>✓</b>
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_UIs_u1p15[7][3]	32768
t_TrqLOA_DiffGainX_G_u2p14[0]	32768
t_TrqLOA_DiffGainX_G_u2p14[1]	32768
t_TrqLOA_DiffGainX_G_u2p14[2]	32768
t_TrqLOA_DiffGainX_G_u2p14[3]	32768
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	0
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	0
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	0
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	0
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	0
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	32768
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	32768
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	32768
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	32768
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	32768
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	20480
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	21299
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	24576
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	25395
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	28672
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	29491
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	32768
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	33587
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0] t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	11469 19251

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TrqLOA\_Per1

119201_1 611			1 = - 10-10	
Name	Input Value			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	21709			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	19661	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_LatAccelVa	lid_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaM	ltgtnEn_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_HwDeg_f32			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc	target_TrqLOA_Per1_TrqLOAAva	il_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACm	d_MtrNm_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_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	0.825533628			
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	0.187185764			
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0			
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1			
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	1207.13953			
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	863.729614			
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	0			
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	157.958984			
Name	Actual Value	Expected Value	Result	
TrqLOA_LatAccScaleFactor_Uls_M_f32	0	0		
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.513088524	0.513088584		
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0		
TrqLOA_TloaCmd_MtrNm_M_f32	0	0		
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.20000003	0.20000003		
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0		

0

0

 $target\_TrqLOA\_Per1\_TrqLOACmd\_MtrNm\_f32.value$ 

TrqLOA\_Per1

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Test Case 2: Boundary Test

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# TrqLOA\_Per1 Specification

Performance Metrics: (With "None" Instrumentation and "WithPS' Environment) TS2.1 641 Cycles TS2.2 794 Cycles TS2.3 729 Cycles TS2.4 831 Cycles TS2.4 831 Cycles
TS2.5 732 Cycles
TS2.5 732 Cycles
TS2.6 725 Cycles
TS2.7 728 Cycles
TS2.7 728 Cycles
TS2.9 717 Cycles
TS2.10 716 Cycles
TS2.11 818 Cycles
TS2.12 698 Cycles
TS2.13 707 Cycles
TS2.13 707 Cycles
TS2.14 719 Cycles
TS2.15 664 Cycles
TS2.16 712 Cycles
TS2.16 712 Cycles
TS2.17 668 Cycles
TS2.18 738 Cycles
TS2.19 759 Cycles
TS2.20 686 Cycles TS2.19 759 Cycles TS2.20 686 Cycles TS2.21 722 Cycles TS2.22 709 Cycles TS2.23 720 Cycles TS2.24 718 Cycles TS2.25 693 Cycles TS2.26 729 Cycles TS2.26 729 Cycles TS2.28 725 Cycles TS2.29 663 Cycles TS2.30 675 Cycles TS2.31 713 Cycles TS2.31 665 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
TS2.78 720 Cycles
TS2.79 704 Cycles
TS2.81 700 Cycles
TS2.82 772 Cycles
TS2.83 735 Cycles
TS2.84 762 Cycles
TS2.88 664 Cycles
TS2.89 664 Cycles
TS2.89 664 Cycles
TS2.89 664 Cycles
TS2.99 677 Cycles TS2.94 671 Cycles TS2.95 725 Cycles TS2.96 725 Cycles TS2.96 725 Cycles TS2.97 648 Cycles TS2.98 675 Cycles TS2.100 677 Cycles TS2.101 731 Cycles TS2.102 700 Cycles TS2.103 718 Cycles TS2.104 806 Cycles TS2.105 695 Cycles TS2.105 713 Cycles TS2.107 736 Cycles TS2.107 736 Cycles TS2.108 730 Cycles

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TrqLOA\_Per1



TS2.109 712 Cycles
TS2.110 714 Cycles
TS2.111 736 Cycles
TS2.111 736 Cycles
TS2.112 741 Cycles
TS2.113 729 Cycles
TS2.114 804 Cycles
TS2.115 719 Cycles
TS2.116 730 Cycles
TS2.117 713 Cycles
TS2.117 713 Cycles
TS2.117 713 Cycles
TS2.117 713 Cycles
TS2.121 708 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
TS2.131 725 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
TS2.138 732 Cycles
TS2.138 732 Cycles
TS2.139 725 Cycles
TS2.137 700 Cycles
TS2.138 732 Cycles
TS2.137 700 Cycles
TS2.137 700 Cycles
TS2.138 732 Cycles
TS2.139 725 Cycles
TS2.139 725 Cycles
TS2.140 667 Cycles





**Description** Vector Description:

TS2.1All Min TS2.2All Max TS2.3HandwheelAuthority\_Uls\_f32==>Min TS2.4HandwheelAuthority\_Uls\_f32==>Max TS2.5HandwheelAuthority\_Uls\_f32==>Pos TS2.6RelHwPos\_HwDeg\_f32==>Min TS2.7RelHwPos\_HwDeg\_f32==>Max TS2.8RelHwPos\_HwDeg\_f32==>Pos TS2.9RelHwPos\_HwDeg\_f32==>Zero TS2.10RelHwPos\_HwDeg\_f32==>Neg TS2.11LatAccelValid\_Cnt\_lgc==>Min TS2.12LatAccelValid\_Cnt\_lgc==>Max TS2.13LatAccelValid\_Cnt\_lgc==>Pos TS2.14LatAcc\_MpSecSq\_f32==>Min TS2.14LatAcc\_MpSecSq\_f32==>Max TS2.15LatAcc\_MpSecSq\_f32==>Pos TS2.17LatAcc\_MpSecSq\_f32==>Zero TS2.18LatAcc\_MpSecSq\_f32==>Neg TS2.19MotAgLoaMtgtnEn\_Cnt\_lgc==>Min TS2.20MotAgLoaMtgtnEn\_Cnt\_lgc==>Max TS2.21MotAgLoaMtgtnEn\_Cnt\_lgc==>Pos TS2.22MtrVelCRF\_MtrRadpS\_f32==>Min TS2.23MtrVelCRF\_MtrRadpS\_f32==>Min TS2.23MtrVelCRF\_MtrRadpS\_f32==>Pos TS2.25MtrVelCRF\_MtrRadpS\_f32==>Zero TS2.25MtrVelCRF\_MtrRadpS\_f32==>Neg TS2.25MtrVelCRF\_MtrRadpS\_f32==>Neg TS2.27VehicleSpeedValid\_Cnt\_lgc==>Min TS2.28VehicleSpeedValid\_Cnt\_lgc==>Max TS2.29VeflicleSpeedValid\_Cnt\_lgc==>Pos
TS2.39VehicleSpeed\_Kph\_f32==>Pos
TS2.30VehicleSpeed\_Kph\_f32==>Min
TS2.31VehicleSpeed\_Kph\_f32==>Max
TS2.32VehicleSpeed\_Kph\_f32==>Max
TS2.32VehicleSpeed\_Kph\_f32==>Pos
TS2.33V\_TrqLOA\_LatAccConversionFactor\_Uls\_f32==>Min
TS2.34K\_TrqLOA\_LatAccConversionFactor\_Uls\_f32==>Max
TS2.35K\_TrqLOA\_LatAccConversionFactor\_Uls\_f32==>Max
TS2.35K\_TrqLOA\_LatAccConversionFactor\_Uls\_f32==>Max TS2.35k\_TrqLOA\_LatAccConversionFactor\_UIs\_f32==>Pos TS2.36k\_TrqLOA\_SteerRatio\_UIs\_f32==>Min TS2.37k\_TrqLOA\_SteerRatio\_UIs\_f32==>Max TS2.38k TrqLOA SteerRatio Uls\_f32==>Pos TS2.39k TrqLOA Wheelbase M\_f32==>Min TS2.40k\_TrqLOA\_Wheelbase\_M\_f32==>Max TS2.41k\_TrqLOA\_Wheelbase\_M\_f32==>Pos TS2.42k\_TrqLOA\_NomDrvTrq\_MtrNm\_f32==>Min TS2.43k\_TrqLOA\_NomDrvTrq\_MtrNm\_f32==>Max TS2.44k\_TrqLOA\_NomDrvTrq\_MtrNm\_f32==>Pos TS2.45k\_TrqLOA\_AbsAssistThreshold\_MtrNm\_f32==>Min TS2.46k\_TrqLOA\_AbsAssistThreshold\_MtrNm\_f32==>Max TS2.47k\_TrqLOA\_AbsAssistThreshold\_MtrNm\_f32==>Pos TS2.48TrqLOA\_ScaledMtrTrqCmd\_MtrNm\_M\_f32==>Min TS2.49TrqLOA\_ScaledMtrTrqCmd\_MtrNm\_M\_f32==>Max TS2.50TrqLOA\_ScaledMtrTrqCmd\_MtrNm\_M\_f32==>Pos TS2.51TrqLOA\_ScaledMtrTrqCmd\_MtrNm\_M\_f32==>Zero TS2.52TrqLOA\_ScaledMtrTrqCmd\_MtrNm\_M\_f32==>Neg TS2.53k TrqLOA AbsVelThreshold MtrRadpS f32==>Min TS2.54k\_TrqLOA\_AbsVelThreshold\_MtrRadpS\_f32==>Max TS2.55k\_TrqLOA\_AbsVelThreshold\_MtrRadpS\_f32==>Pos TS2.56k\_TrqLOA\_MaxScaleFactor\_Uls\_f32==>Min TS2.57k\_TrqLOA\_MaxScaleFactor\_Uls\_f32==>Max TS2.58k\_TrqLOA\_MaxScaleFactor\_Uls\_f32==>Pos TS2.59k\_TrqLOA\_MinScaleFactor\_Uls\_f32==>Min TS2.60k\_TrqLOA\_MinScaleFactor\_Uls\_f32==>Max TS2.61k\_TrqLOA\_MinScaleFactor\_Uls\_f32==>Pos TS2.62TrqLOA\_TrqBasedScaleFactor\_Uls\_M\_f32==>Min TS2.63TrqLOA\_TrqBasedScaleFactor\_Uls\_M\_f32==>Max TS2.64TrqLOA\_TrqBasedScaleFactor\_Uls\_M\_f32==>Pos TS2.65TrqLOA\_TrqBasedScaleFactor\_Uls\_M\_f32==>Zero TS2.66TrqLOA\_TrqBasedScaleFactor\_Uls\_M\_f32==>Neg TS2.67k\_TrqLOA\_FallingRampRate\_UlspS\_f32==>Min TS2.68k\_TrqLOA\_FallingRampRate\_UlspS\_f32==>Max TS2.69k\_TrqLOA\_FallingRampRate\_UlspS\_f32==>Mid IS2.69k\_IrqLOA\_FallingRampRate\_UlspS\_f32==>Mid
TS2.70k\_TrqLOA\_RisingRampRate\_UlspS\_f32==>Min
TS2.71k\_TrqLOA\_RisingRampRate\_UlspS\_f32==>Max
TS2.72k\_TrqLOA\_RisingRampRate\_UlspS\_f32==>Pos
TS2.73t\_TrqLOA\_HighSpeedTrqBlend\_Y\_Uls\_u1p15[5]==>Min
TS2.74t\_TrqLOA\_HighSpeedTrqBlend\_Y\_Uls\_u1p15[5]==>Max
TS2.75t\_TrqLOA\_HighSpeedTrqBlend\_Y\_Uls\_u1p15[5]==>Pos
TS2.76t\_TrqLOA\_HighSpeedTrqBlend\_X\_Kph\_u10p6[5]==>Min
TS2.77t\_TrqLOA\_HighSpeedTrqBlend\_X\_Kph\_u10p6[5]==>Max
TS2.78t\_TrqLOA\_HighSpeedTrqBlend\_X\_Kph\_u10p6[5]==>Pos TS2.79t\_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



```
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_DiffScaleRateLimiterRising_UlspS_f32==>Pos
TS2.105k_TrqLOA_DiffGainX_G_u2p14[4]==>Min
TS2.109t_TrqLOA_DiffGainX_G_u2p14[4]==>Max
TS2.110t_TrqLOA_DiffGainX_G_u2p14[4]==>Max
TS2.111t2_TrqLOA_DiffGainX_G_u2p14[4]==>Min
TS2.112t2_TrqLOA_DiffGainY1_Uls_u1p15[4]==>Min
TS2.112t2_TrqLOA_DiffGainY1_Uls_u1p15[4]==>Min
TS2.112t2_TrqLOA_DiffGainY2_Uls_u1p15[4]==>Min
TS2.112t2_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
TS2.112t2_TrqLOA_DiffGainY3_Uls_u1p15[4]==>Min
TS2.112t2_TrqLOA_DiffGainY3_Uls_u1p15[4]==>Min
TS2.112t2_TrqLOA_DiffGainY3_Uls_u1p15[4]==>Min
TS2.12t2_TrqLOA_DiffGainY4_Uls_u1p15[4]==>Min
TS2.12t2_TrqLOA_DiffGainY4_Uls_u1p15[4]==>Min
TS2.12t2_TrqLOA_DiffGainY4_Uls_u1p15[4]==>Min
TS2.12t2_TrqLOA_DiffGainY4_Uls_u1p15[4]==>Min
TS2.12t2_TrqLOA_DiffGainY4_Uls_u1p15[4]==>Min
TS2.12t2_TrqLOA_DiffGainY4_Uls_u1p15[4]==>Min
TS2.12t2_TrqLOA_DiffGainY4_Uls_u1p15[4]==>Min
TS2.12t2_TrqLOA_DiffGainY6_Uls_u1p15[4]==>Min
TS2.12t2_TrqLOA_DiffGainY6_Uls_u1p15[4]==>Min
TS2.12t2_TrqLOA_DiffGainY6_Uls_u1p15[4]==>Min
TS2.13t2_TrqLOA_DiffGainY6_Uls_u1p15[4]==>Min
TS2.13t2_TrqLOA_DiffGainY6_Uls_u1p15[4]==>Min
TS2.13t2_TrqLOA_DiffGainY6_Uls_u1p15[4]==>Min
TS2.13t2_TrqLOA_DiffGainY8_Uls_u1p15[4]==>Min
TS2.13t2_TrqL
```

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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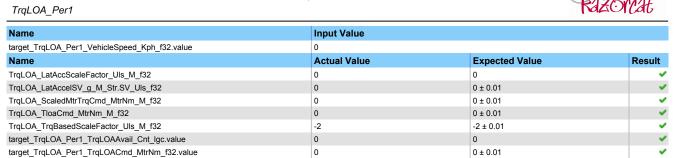
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TrqLOA\_Per1

IrqLOA_Peri	MACIU	ч
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	
2 TrqLOA DiffGainY Uls u1p15[4][1]	0	
2 TrqLOA DiffGainY Uls u1p15[4][2]	0	
12_TrqLOA_DiffGainY_Uls_u1p15[4][3]	0	
12_TrqLOA_DiffGainY_Uls_u1p15[5][0]	0	
2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	0	
12_TrqLOA_DiffGainY_Uls_u1p15[5][2]	0	
2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	0	
2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	0	
2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	0	
2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	0	
2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	0	
2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	0	
2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	0	
2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	0	
2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	0	
_TrqLOA_DiffGainX_G_u2p14[0]	0	
t_TrqLOA_DiffGainX_G_u2p14[1]	0	
t_TrqLOA_DiffGainX_G_u2p14[2]	0	
_TrqLOA_DiffGainX_G_u2p14[3]	0	
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	0	
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	0	
:_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	0	
_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	0	
_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	0	
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	0	
_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	
TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	0	
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	0	
TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	0	
_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	0	
_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	0	
_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	0	
_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	0	
_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	0	
_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	0	
_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	0	
_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	0	
_TrqLOA_X_Kph_u10p6[0]	0	
_TrqLOA_X_Kph_u10p6[1]	0	
_TrqLOA_X_Kph_u10p6[2]	0	
_TrqLOA_X_Kph_u10p6[3]	0	
_TrqLOA_X_Kph_u10p6[4]	0	
_TrqLOA_X_Kph_u10p6[5]	0	
_TrqLOA_X_Kph_u10p6[6]	0	
TrqLOA_X_Kph_u10p6[7]	0	
arget_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecSq_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_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		





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	0.670000017
FrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.714999974
FrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	8.8000019
rqLOA_TloaCmd_MtrNm_M_f32	8.8000019
FrqLOA_TrqBasedScaleFactor_Uls_M_f32	2
TrqLOA AbsAssistThreshold MtrNm f32	10
TrqLOA AbsVelThreshold MtrRadpS f32	1000
TrgLOA DiffScaleRateLimiterFalling UlspS f32	0
	100
	0
	10
 TrqLOA_LimOutput_MtrNm_f32	8.80000019
_TrqLOA_MaxScaleFactor_Uls_f32	1
_TrqLOA_MinScaleFactor_Uls_f32	1
	8.80000019
:_TrqLOA_RisingRampRate_UlspS_f32	1000
TrqLOA_SteerRatio_Uls_f32	100
TrqLOA_UndersteerGrad_RadpG_f32	0.25
TrqLOA_Wheelbase_M_f32	20
2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	32768
2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	32768
2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	32768
2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	32768
2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	32768
2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	32768
2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	32768
2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	32768
2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	32768
2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	32768
2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	32768
2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	32768
2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	32768
2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	32768
2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	32768
2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	32768
2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	32768
2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	32768
2 TrqLOA DiffGainY Uls u1p15[4][2]	32768
2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	32768
2 TrqLOA DiffGainY Uls u1p15[5][0]	32768
2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	32768
2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	32768
2 TrqLOA DiffGainY Uls u1p15[5][3]	32768
2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	32768
2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	32768
2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	32768
2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	32768
2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	32768
2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	32768
2 TrqLOA_DiffGainY_UIs_u1p15[7][2]	32768
2_TrqLOA_DiffGainY_Uis_u1p15[7][2]	32768
Z_TrqLOA_DiffGainX_G_u2p14[0]	32768
_rrqLOA_biifGainX_G_u2p14[0] _rrqLOA_biffGainX_G_u2p14[1]	32768
TrqLOA_DiffGainX_G_u2p14[1] TrqLOA_DiffGainX_G_u2p14[2]	32768
_TrqLOA_DiffGainX_G_u2p14[2] _TrqLOA_DiffGainX_G_u2p14[3]	32768
_TrqLOA_biiiGaiiiA_G_uzp14[3] _TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	25600
_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	25600





Name	Input Value		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	25600		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	25600		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	25600		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	32768		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	32768		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	32768		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	32768		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	32768		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	61440		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	61440		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	61440		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	61440		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	61440		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	61440		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	61440		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	61440		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	36045		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	36045		
t TrqLOA TempTrqCmdSatYTbl MtrNm u4p12[2]	36045		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	36045		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	36045		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	36045		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	36045		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	36045		
t_TrqLOA_X_Kph_u10p6[0]	25600		
t_TrqLOA_X_Kph_u10p6[1]	25600		
t_TrqLOA_X_Kph_u10p6[2]	25600		
t_TrqLOA_X_Kph_u10p6[3]	25600		
t_TrqLOA_X_Kph_u10p6[4]	25600		
t_TrqLOA_X_Kph_u10p6[5]	25600		
t TrgLOA 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_Handwheel/	Authority Uls 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_Igc	target_TrqLOA_Per1_LatAccelVal		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_Igc	target_TrqLOA_Per1_MotAgLoaM		
target Rte Inst Ap TrqLOA.TrqLOA Per1 MtrVelCRF MtrRadpS f32	target_TrqLOA_Per1_MtrVelCRF_		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_		
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		
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	1	ou	
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	2000		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	1000		
target TrqLOA Per1 VehicleSpeedValid Cnt Igc.value	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	511		
	Actual Value	Exported Value	Result
Name Trail OA Lathas Saala Factor, Illia M #22		Expected Value	Result
TrqLOA_LatAccScaleFactor_UIs_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	~

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	<b>✓</b>
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	✓
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	1.27943039	1.2794311 ± 0.01	✓
			·

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

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TrqLOA\_Per1



Name	Input Value
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	27.9837322
k_TrqLOA_FallingRampRate_UlspS_f32	-285.769348
k_TrqLOA_LatAccConversionFactor_Uls_f32	5.11622667
k_TrqLOA_LimOutput_MtrNm_f32	2.05712366
k_TrqLOA_MaxScaleFactor_Uls_f32	0.47853148
k_TrqLOA_MinScaleFactor_Uls_f32	0.21500051
k_TrqLOA_NomDrvTrq_MtrNm_f32	2.11723351
k_TrqLOA_RisingRampRate_UlspS_f32	775.606445
k_TrqLOA_SteerRatio_Uls_f32	27.0728893
k_TrqLOA_UndersteerGrad_RadpG_f32	0.0683564693
k_TrqLOA_Wheelbase_M_f32	20
t2_TrqLOA_DiffGainY_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

target\_TrqLOA\_Per1\_TrqLOACmd\_MtrNm\_f32.value

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Name	Input Value		
t TrgLOA X Kph u10p6[0]	64		
t TrgLOA 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_HandwheelAuth	nority Uls f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSec		
target Rte Inst Ap TrgLOA.TrgLOA Per1 LatAccelValid Cnt Igc	target TrgLOA Per1 LatAccelValid (		
target Rte Inst Ap TrqLOA.TrqLOA Per1 MotAgLoaMtgtnEn Cnt Igc	target TrgLOA Per1 MotAgLoaMtgtr	nEn Cnt Igc	
target Rte Inst Ap TrqLOA.TrqLOA Per1 MtrVelCRF MtrRadpS f32	target TrgLOA Per1 MtrVelCRF Mtr	RadpS f32	
target Rte Inst Ap TrqLOA.TrqLOA Per1 RelHwPos HwDeg f32	target TrgLOA Per1 RelHwPos Hwl	Deg f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc	target_TrqLOA_Per1_TrqLOAAvail_C	int_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_M	ltrNm_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSpeedV	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		
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	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.787930906	0.787930906	•
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.127424985	0.127424985 ± 0.01	•
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0.465865254	0.465865254 ± 0.01	•
TrqLOA_TloaCmd_MtrNm_M_f32	0.465865254	0.465865254 ± 0.01	•
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.21500051	0.21500051 ± 0.01	-
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	<b>✓</b>
		1	

0.465865254

0.465865254 ± 0.01

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





Name	Input Value
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	9830
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	9830
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	9830
t2_TrqLOA_DiffGainY_UIs_u1p15[6][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3] t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	9830 6554
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	9830
t_TrqLOA_DiffGainX_G_u2p14[0]	3277
t_TrqLOA_DiffGainX_G_u2p14[1]	4096
t_TrqLOA_DiffGainX_G_u2p14[2]	4751
t_TrqLOA_DiffGainX_G_u2p14[3]	4915
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	1920
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	2240
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	2560
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	2880
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	3200
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 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]	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_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_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32 target_TrqLOA_Per1_RelHwPos_HwDeg_f32
target Rte Inst Ap TrqLOA.TrqLOA Per1 TrqLOAAvail Cnt Igc	target TrqLOA_Per1_ReinwPos_nwbeg_132 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_UIs_f32.value	1
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	0.305431128
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0
target_rrqEo/_r cri_Eat/toccrvalia_ont_igo.valac	
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	0
	0 -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]	to to	
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_HandwheelA	uthority_Uls_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpS	ecSq_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_Igc	target_TrqLOA_Per1_LatAccelValie	d_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMt	gtnEn_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_	MtrRadpS_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_h	· –	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc	target_TrqLOA_Per1_TrqLOAAvail		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd	<del>-</del>	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSpee	dValid Cnt Igc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target TrqLOA Per1 VehicleSpee		
target TrqLOA Per1 HandwheelAuthority Uls f32.value	1		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	2.87261653		
target TrqLOA Per1 LatAccelValid Cnt lgc.value	1		
target TrqLOA Per1 MotAgLoaMtgtnEn Cnt Igc.value	0		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	829.04834		
target TrqLOA Per1 RelHwPos HwDeg f32.value	-375.864563		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	126.835663		
Name	Actual Value	Expected Value	Result
TrqLOA LatAccScaleFactor Uls M f32	0.885599971	0.88560003	Result
TrqLOA_LatAccelSV_g_M_Str.SV_UIs_f32	0.192544758	0.192544758 ± 0.01	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-0.701994181	-0.701994181 ± 0.01	

Test Step 2.6 (Repeat Count = 1)		<b>√</b>
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





Name	Input Value
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-72.3093185
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	42.3036995
k_TrqLOA_FallingRampRate_UlspS_f32	-874.466431
k_TrqLOA_LatAccConversionFactor_Uls_f32	5.47294426
k_TrqLOA_LimOutput_MtrNm_f32	4.33422327
k_TrqLOA_MaxScaleFactor_Uls_f32	0.956338644
k_TrqLOA_MinScaleFactor_Uls_f32	0.565083027
k_TrqLOA_NomDrvTrq_MtrNm_f32	4.66239977
k_TrqLOA_RisingRampRate_UlspS_f32	694.85498
k_TrqLOA_SteerRatio_Uls_f32 k_TrqLOA_UndersteerGrad_RadpG_f32	82.5900421 0.25
k_TrqLOA_UndersteerGrau_raupG_l32	9.69703865
t2_TrqLOA_DiffGainY_UIs_u1p15[0][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	17039
t2_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_UIs_u1p15[4][3]	19661
t2_TrqLOA_DiffGainY_UIs_u1p15[5][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1] t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	15729 17039
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	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]	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]	3277
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	6554
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	16384 53248
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0] t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	53248 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]	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





Name	Input Value	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_HandwheelAuthorit	y_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_MtrRad	dpS_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_HwDeg	_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOAAvail_Cnt_I	gc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_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_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	<b>✓</b>	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-2.49504423	-2.49504447 ± 0.01	<b>✓</b>	
TrqLOA_TloaCmd_MtrNm_M_f32	-2.49504423	-2.49504447 ± 0.01	<b>✓</b>	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.956338644	0.956338644 ± 0.01	<b>✓</b>	
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	<b>✓</b>	
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	-2.49504423	-2.49504447 ± 0.01	~	

Name	Input Value
Rte Inst Ap TrqLOA	target Rte Inst Ap TrqLOA
TrgLOA 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_Lanccei3v_g_m_3ti.N_ois_i32 TrqLOA ScaledMtrTrqCmd MtrNm M f32	-6.72275496
TrqLOA_Scaledwit riqCritd_MitNin_W_132 TrqLOA TloaCmd MtrNm M f32	-6
TrqLOA_TrgBasedScaleFactor Uls M f32	2
k TrqLOA AbsAssistThreshold MtrNm f32	2.17499852
k TrgLOA AbsVelThreshold MtrRadpS f32	347.261871
k_TrqLOA_AbsverThreshold_MitRadp5_132	-44.840065
k TrqLOA_DiffScaleRateLimiterRising UlspS f32	86.2324982
k TrqLOA_BillingRampRate UlspS f32	-756.371094
k TrqLOA_r allingreampreaco_oispo_is2	1.3288663
k_TrqLOA_LimOutput_MtrNm_f32	0.718581259
k TrgLOA MaxScaleFactor Uls f32	0.774256825
k TrgLOA_Maxocalci actor_0is_ioz	0.954615474
k TrgLOA NomDrvTrg MtrNm f32	0.232903108
k TrgLOA RisingRampRate UlspS f32	62.9472733
k TrgLOA SteerRatio Uls f32	96.6698685
k TrgLOA_0tccrNatio_0is_isz	0.25
k TrgLOA Wheelbase M f32	17.6621571
2 TrqLOA DiffGainY Uls u1p15[0][0]	17367
12 TrqLOA DiffGainY Uls u1p15[0][1]	19333
12 TrqLOA DiffGainY Uls u1p15[0][2]	21299
12 TrqLOA DiffGainY Uls u1p15[0][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	17367
12 TrqLOA DiffGainY Uls u1p15[1][1]	19333
2 TrqLOA DiffGainY Uls u1p15[1][2]	21299
2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	26214
t2 TrqLOA DiffGainY Uls u1p15[2][0]	17367
12_TrqLOA_DiffGainY_Uls_u1p15[2][1]	19333
t2 TrqLOA DiffGainY Uls u1p15[2][2]	21299
12 TrqLOA DiffGainY UIs 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_Uls_u1p15[3][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	26214
12_TrqLOA_DiffGainY_Uls_u1p15[4][0]	17367
12_TrqLOA_DiffGainY_Uls_u1p15[4][1]	19333
12_TrqLOA_DiffGainY_Uls_u1p15[4][2]	21299
I2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	26214
I2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	17367
I2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	19333
I2_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
_TrqLOA_DiffGainX_G_u2p14[1]	9667
_TrqLOA_DiffGainX_G_u2p14[2]	10650
_TrqLOA_DiffGainX_G_u2p14[3]	13107
_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	6720
_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	7040
_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	7360
_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	7680
_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	8000
TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	3277
_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	6554
_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	9830
:_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	16384
:_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
:_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	7373
:_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	13107
:_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	17613
TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	17613
_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	20890
_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	22528
_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	25395
_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	25805
_TrqLOA_X_Kph_u10p6[0]	2112
_TrqLOA_X_Kph_u10p6[1]	2176
_TrqLOA_X_Kph_u10p6[2]	2240
_TrqLOA_X_Kph_u10p6[3]	2304
TrqLOA_X_Kph_u10p6[4]	2368
_TrqLOA_X_Kph_u10p6[5]	2432
	2496
TrqLOA_X_Kph_u10p6[7]	2560
arget_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32
arget_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecSq_f32
arget_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelValid_Cnt_lgc
arget_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc
arget_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
arget_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc	target_TrqLOA_Per1_TrqLOAAvail_Cnt_Igc
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 Igc	target TrqLOA Per1 VehicleSpeedValid Cnt Igc
arget_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpeed_Kph_f32
arget_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0.603896022
arget_TrqLOA_rer1_tatAcc_MpSecSq_f32.value	6.27994013
arget TrgLOA Per1 LatAccelValid Cnt loc value	1
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1 0





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	<b>✓</b>
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0.718581259	0.718581259 ± 0.01	<b>✓</b>

Test Step 2.8 (Repeat Count = 1)		
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	
rqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0154999997	
FrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-1.36703587	
rqLOA_TloaCmd_MtrNm_M_f32	-5.5	
rqLOA_TrqBasedScaleFactor_Uls_M_f32	0.730413675	
r_TrqLOA_AbsAssistThreshold_MtrNm_f32	5.13476944	
_TrqLOA_AbsVelThreshold_MtrRadpS_f32	565.453003	
_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-79.9842224	
_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	55.5632286	
_TrqLOA_FallingRampRate_UlspS_f32	-646.1427	
_TrqLOA_LatAccConversionFactor_Uls_f32	0.968328416	
_TrqLOA_LimOutput_MtrNm_f32	7.56691027	
_TrqLOA_MaxScaleFactor_Uls_f32	0.38239193	
_TrqLOA_MinScaleFactor_Uls_f32	1	
_TrqLOA_NomDrvTrq_MtrNm_f32	8.75238705	
_TrqLOA_RisingRampRate_UlspS_f32	693.429382	
_TrqLOA_SteerRatio_Uls_f32	49.4194031	
_TrqLOA_UndersteerGrad_RadpG_f32	0.25	
_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_UIs_u1p15[0][2]	4915	
	6226	
2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	655	
Z_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	
	6226	
2_TrqLOA_DiffGainY_Uls_u1p15[3][3] 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[1]	11469	
_TrqLOA_DiffGainX_G_u2p14[2]	12780	
_TrqLOA_DiffGainX_G_u2p14[3]	16384	





Name	Input Value		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	8320		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	8640		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	8960		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	9280		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	9600		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	3277		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	6554		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	9830		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	13107		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	16384		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	20480		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	21299		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	24576		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	25395		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	28672		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	29491		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	32768		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	33587		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	8192		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	14336		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	18432		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	18022		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	21709		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	23347		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	26624		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	26624		
t_TrqLOA_X_Kph_u10p6[0]	2624		
t_TrqLOA_X_Kph_u10p6[1]	2688		
t_TrqLOA_X_Kph_u10p6[2]	2752		
t_TrqLOA_X_Kph_u10p6[3]	2816		
t_TrqLOA_X_Kph_u10p6[4]	2880		
t_TrqLOA_X_Kph_u10p6[5]	2944		
t_TrqLOA_X_Kph_u10p6[6]	3008		
t_TrqLOA_X_Kph_u10p6[7]	3072		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_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		
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_TrqLOACmo		
target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSpec		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpec	eu_npii_i32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value target TrqLOA Per1 LatAcc MpSecSq f32.value			
target_IrqLOA_Per1_LatAcc_mpsecsq_rsz.value target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	-4.03180599 1		
target_rrqLOA_Peri_LatAcceivalid_Cnt_igc.value target_TrqLOA_Peri_LatAcceivalid_Cnt_igc.value	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	Result
		· · · · · · · · · · · · · · · · · · ·	Result
TrqLOA_LatAccsScaleFactor_UIs_M_f32	0.775334775 0.349366665	0.775334775	
TrqLOA_LatAccelSV_g_M_Str.SV_UIs_f32 TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0.349366665	0.349372685 ± 0.01 0 ± 0.01	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32 TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01 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	
a. gotq=o/i o/inq=o/.coma_maram_loz.value	,	0 1 0.01	

Test Step 2.9 (Repeat Count = 1)		<b>✓</b>
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	

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TrqLOA\_Per1



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
	ETIOU

target\_TrqLOA\_Per1\_TrqLOACmd\_MtrNm\_f32.value

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Name	Input Value		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	27853		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	27443		
t_TrqLOA_X_Kph_u10p6[0]	3136		
t_TrqLOA_X_Kph_u10p6[1]	3200		
t_TrqLOA_X_Kph_u10p6[2]	3264		
t_TrqLOA_X_Kph_u10p6[3]	3328		
t_TrqLOA_X_Kph_u10p6[4]	3392		
t_TrqLOA_X_Kph_u10p6[5]	3456		
t_TrqLOA_X_Kph_u10p6[6]	3520		
t_TrqLOA_X_Kph_u10p6[7]	3584		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelA	uthority_Uls_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpS	ecSq_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelVali	d_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaM	gtnEn_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_	MtrRadpS_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_h	HwDeg_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc	target_TrqLOA_Per1_TrqLOAAvai	l_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc	target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpee	d_Kph_f32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0.0280352831		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-3.22382641		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-442.008911		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	0		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	232.319672		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.299987793	0.299987793	•
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.393600017	0.393599987 ± 0.01	•
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	•
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	•
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-0.935362518	-0.935362577 ± 0.01	-
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	<b>✓</b>

0

0 ± 0.01

Test Step 2.10 (Repeat Count = 1)		
Name	Input Value	
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA	
TrqLOA_LatAccScaleFactor_Uls_M_f32	1	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.449999988	
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0164999999	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	8.80000019	
TrqLOA_TloaCmd_MtrNm_M_f32	-4.5	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	1.39562833	
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	3.50173283	
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	273.207611	
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-36.3950081	
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	24.804491	
k_TrqLOA_FallingRampRate_UlspS_f32	-524.556824	
k_TrqLOA_LatAccConversionFactor_Uls_f32	8.5640192	
k_TrqLOA_LimOutput_MtrNm_f32	3.37794185	
k_TrqLOA_MaxScaleFactor_Uls_f32	0.959547281	
k_TrqLOA_MinScaleFactor_Uls_f32	1	
k TrqLOA NomDrvTrq MtrNm f32	3.03419685	
k TrqLOA RisingRampRate UlspS f32	12.2064705	
k_TrqLOA_SteerRatio_Uls_f32	40.7518044	
k_TrqLOA_UndersteerGrad_RadpG_f32	0.25	
k TrqLOA Wheelbase M f32	16.9196377	
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 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 UIs u1p15[2][1]	12124	
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	12780	

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TrqLOA\_Per1



Name	Input Value
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	12780
t2_TrqLOA_DiffGainY_UIs_u1p15[3][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	12124 12780
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2] t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	12780
t2_TrqLOA_DiffGainY_UIs_u1p15[6][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	13107
t_TrqLOA_DiffGainX_G_u2p14[0]	14090
t_TrqLOA_DiffGainX_G_u2p14[1]	15073
t_TrqLOA_DiffGainX_G_u2p14[2]	17039
t_TrqLOA_DiffGainX_G_u2p14[3]	22938
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	11520
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	11840
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	12160
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	12480
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	12800
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	3277
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	6554
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	16384 53248
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0] t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	54067
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	56115
t TrqLOA_LatAccGain Y MtrNmpG u4p12[3]	56934
t TrqLOA LatAccGain Y MtrNmpG u4p12[4]	58163
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	60211
t TrqLOA LatAccGain Y MtrNmpG u4p12[6]	60621
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	61030
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	9830
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	16794
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	20070
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	18842
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	23347
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	24986
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	29082
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	28262
t_TrqLOA_X_Kph_u10p6[0]	3648
t_TrqLOA_X_Kph_u10p6[1]	3712
t_TrqLOA_X_Kph_u10p6[2]	3776
t_TrqLOA_X_Kph_u10p6[3]	3840
t_TrqLOA_X_Kph_u10p6[4]	3904
t_TrqLOA_X_Kph_u10p6[5]	3968
t_TrqLOA_X_Kph_u10p6[6]	4032
t_TrqLOA_X_Kph_u10p6[7]	4096
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32 target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32 target_TrqLOA_Per1_LatAcc_MpSecSq_f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Perl_LatAcce_MpSecSq_isz target_Rte_Inst_Ap_TrqLOA.TrqLOA_Perl_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelValid_Cnt_lgc
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_HwDeg_f32
target Rte Inst Ap TrqLOA.TrqLOA Per1 TrqLOAAvail Cnt Igc	target TrqLOA Per1 TrqLOAAvail Cnt Igc
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpeed_Kph_f32
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	1
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-0.578490138
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	0





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	<b>✓</b>
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-3.19882917	-3.19882917 ± 0.01	<b>✓</b>
TrqLOA_TloaCmd_MtrNm_M_f32	-3.19882917	-3.19882917 ± 0.01	<b>✓</b>
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	1	1 ± 0.01	<b>✓</b>
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	<b>✓</b>
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	-3.19882917	-3.19882917 ± 0.01	

M	La Contraction of the Contractio	
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_Uls_f32	0.0216306448	
k_TrqLOA_NomDrvTrq_MtrNm_f32	3.72263956	
k_TrqLOA_RisingRampRate_UlspS_f32	513.838379	
k_TrqLOA_SteerRatio_Uls_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_Uls_u1p15[0][1]	15729	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	17039	
12_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	
12_TrqLOA_DiffGainY_Uls_u1p15[1][3]	19661	
12_TrqLOA_DiffGainY_UIs_u1p15[2][0]	13763	
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	15729	
12_TrqLOA_DiffGainY_UIs_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	
12_TrqLOA_DiffGainY_Uls_u1p15[3][3]	19661	
12_TrqLOA_DiffGainY_Uls_u1p15[4][0]	13763	
12_TIQLOA_DIRGAINT_OIS_UTP15[4][0] 12_TIQLOA_DIRGAINT_OIS_UTP15[4][1]	15729	
IZ_TIQLOA_DINGAINY_DIS_U1p15[4][1] IZ_TIQLOA_DIffGainY_UIs_u1p15[4][2]	17039	
	19661	
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]		
12_TrqLOA_DiffGainY_Uls_u1p15[5][0]	13763	
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	15729	
12_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	
2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	19661	
2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	13763	
2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	15729	
2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	17039	
2_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	

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Name	Input Value		
t_TrqLOA_DiffGainX_G_u2p14[3]	26214		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	13120		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	13440		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	13760		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	14080		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	14400		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	3277		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	6554		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	9830		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	13107		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	16384		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	4096		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	4915 8192		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2] t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	9011		
t_TrqLOA_tatAccGain_Y_MtrNmpG_u4p12[4]	12288		
t_TrqLOA_tatAccGain_Y_MtrNmpG_u4p12[5]	13107		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	16384		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	17203		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	10650		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	18022		
t TrqLOA TempTrqCmdSatYTbl MtrNm u4p12[2]	20890		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	19251		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	24166		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	25805		
t TrqLOA TempTrqCmdSatYTbl MtrNm u4p12[6]	30310		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	29082		
t_TrqLOA_X_Kph_u10p6[0]	4160		
t_TrqLOA_X_Kph_u10p6[1]	4224		
t_TrqLOA_X_Kph_u10p6[2]	4288		
t_TrqLOA_X_Kph_u10p6[3]	4352		
t_TrqLOA_X_Kph_u10p6[4]	4416		
t_TrqLOA_X_Kph_u10p6[5]	4480		
t_TrqLOA_X_Kph_u10p6[6]	4544		
t_TrqLOA_X_Kph_u10p6[7]	4608		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_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	En_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_Mtr	RadpS_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_Hwl		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc	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_Igc	target_TrqLOA_Per1_VehicleSpeedV		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpeed_I	Kph_f32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	1		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	1.21517611		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	0 -1463.47729		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value			
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	221.003494		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	224.927643		
		Expected Value	Descrit
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_UIs_M_f32	0.849539578	0.849539578	
TrqLOA_LatAccelSV_g_M_Str.SV_UIs_f32	0.498035997	0.498035997 ± 0.01	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	
TrqLOA_TloaCmd_MtrNm_M_f32	0 0216206448	0 ± 0.01	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.0216306448	0.0216306448 ± 0.01	
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0	0 ± 0.01	

Test Step 2.12 (Repeat Count = 1)		✓
Name	Input Value	
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA	
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.403138161	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.550000012	
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0175000001	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	2.27528882	
TrqLOA_TloaCmd_MtrNm_M_f32	-3.5	
Tral OA TraBasedScaleFactor IIIs M f32	_0.602300010	

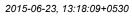
2015-06-23, 13:18:09+0530

TrqLOA\_Per1



Note	Name	Input Value
C. T. CALO A Description of the Company of the Co		
Lings On Microsoftes Interfacing Lines   150		
TripLOA_Paintedname/Press   1982   315101466		
Tigot A., Landectomerson fuer (2)	k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	63.6255188
Company   Comp		
Lings A.D., Austication colors   Lings   December		
Ling Loss, April April 2002   1		
X TROLON, Namidamine Luips   32   49177708     X TROLON, Passing Passes   10, 102   21568770     X TROLON, Namidamine Luips   32   31568770     X TROLON, Namidamine Luips   32   32   32   32   32   32   32   3		
L. Topi Co.A. Proceeding. Units 20 22 20 5068779    J. Topi Co.A. Proceding. Units 20 22 20 5068779    J. Topi Co.A. Vereinde. Margot. Grad. 20 22 20 5068779    J. Topi Co.A. Vereinde. Margot. Grad. 20 22 21 5068779    J. Topi Co.A. Proceding. Units 1957070    J. Topi Co.A. Proceding. Units 1957070    J. Topi Co.A. Droceding. Units 1957071    J. Topi Co.A. Drocedi		
X. Top Cod, Junearous Code, 1982         2158879           X. Top Cod, Junearous July 1982         15224441           Z. Top Cod, Junearous July 1987011         1932           Z. Top Cod, Junearous July 1987011         1933           Z. Top Cod, Junearous July 1987011         1933           Z. Top Cod, Junearous July 1987011         1933           Z. Top Cod, Junearous July 1987011         1939           Z. Top Cod, Junearous July 1987011         1939           Z. Top Cod, Junearous July 1987011         1933           Z. Top Cod, Junearous July 1987011         1933           Z. Top Cod, Junearous July 1987011         1933           Z. Top Cod, Junearous July 1987011         2044           Z. Top Cod, Junearous July 1987011         2044           Z. Top Cod, Junearous July 1987012         2049           Z. Top Cod, Junearous July 1987012         2169           Z. Top Cod, Junearous July 1987012         2169 </td <td></td> <td></td>		
X. TreLOA, Understeen (Crist Agency)		
P. Tree Co.D. DRIGGAMY   Us. p15180101   13333   127402		0.25
2. Tracio.A.D.   Discount   Usu. ptp158 01 2   21200   2. Tracio.A.D.   Discount   Usu. ptp158 01 2   21200   2. Tracio.A.D.   Discount   Usu. ptp158 01 0   17367   2. Tracio.A.D.   Discount   Usu. ptp158 01 0   17367   2. Tracio.A.D.   Discount   Usu. ptp158 01 0   17367   2. Tracio.A.D.   Discount   Usu. ptp158 01 0   2. Tra	k_TrqLOA_Wheelbase_M_f32	16.2824841
2.TraQQ,DRGsinV_Us_pts[0]  22190   2.TraQQ,DRGsinV_Us_pts[0]  2214   2.TraQQ,DRGsinV_Us_pts[0]  17567   2.TraQQ,DRGsinV_Us_pts[0]  17567   2.TraQQ,DRGsinV_Us_pts[0]  22290   2.TraQQ,DRGsinV_Us_pts[0]  22290   2.TraQQ,DRGsinV_Us_pts[0]  22290   2.TraQQ,DRGsinV_Us_pts[0]  22290   2.TraQQ,DRGsinV_Us_pts[0]  15033   2.TraQQ,DRGsinV_Us_pts[0]  15033   2.TraQQ,DRGsinV_Us_pts[0]  15033   2.TraQQ,DRGsinV_Us_pts[0]  15033   2.TraQQ,DRGsinV_Us_pts[0]  15033   2.TraQQ,DRGsinV_Us_pts[0]  15034   2.TraQQ,DRGsinV_Us_pts[0]  15034   2.TraQQ,DRGsinV_Us_pts[0]  15034   2.TraQQ,DRGsinV_Us_pts[0]  15034   2.TraQQ,DRGsinV_Us_pts[0]  15035   2.TraQQ,DRGsinV_Us_pts[0]  15046   2.TraQQ,DRGsinV		
2. Traj. C.A., Diffician's V. Us., 1976   1970   17367   12. Traj. C.A., Diffician's V. Us., 1976   1710   17367   12. Traj. C.A., Diffician's V. Us., 1976   1710   13333   12. Traj. C.A., Diffician's V. Us., 1976   1712   12299   12. Traj. C.A., Diffician's V. Us., 1976   1713   12299   12. Traj. C.A., Diffician's V. Us., 1976   1713   12333   12. Traj. C.A., Diffician's V. Us., 1976   1713   13333   13333   13333   13333   13333   13333   13333   13333   13333   13333   1		
P. Trei, D. J. Difficant V. Us., 1915 17 10    17367		
2. Tris(D.A. Difficative, Us. s. s		
12. Trai_LOA_DETGAIN*_Us. ulr   15 11 2    21200		
12   Trig ( A.D.   Difficanty U.B.   11   51   51   51   51   51   51   5		
12_TricQ.D. Difficatiny   Use - up 1942 11   19333   21299   21790		
12_TOLQA_DEGRAMY_UB_utp1502[3]   21999		
12_TricQ.A. Difficativy   Use .ulp 165(2)   1933   26214   22_TricQ.A. Difficativy   Use .ulp 165(3)   1933   1927(4)   1933   1927(4)   1933   1927(4)   1933   1927(4)   1933   1927(4)   1933   1927(4)   1933   1927(4)   1933   1927(4)   1933   1927(4)   1933   1937(7)   1933   1937(7)   1933   1937(7)   1933   1937(7)   1933   1937(7)   1933   1937(7)   1933   1937(7)   1933   1937(7)   1933   1937(7)   1933   1937(7)   1933   1937(7)   1933   1937(7)   1933   1937(7)   1933   1937(7)   1933   1937(7)   193	t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	19333
2_Tric(AD_DIRGARY_UB_uptp150]10   17367   19333   1927   193333   193333   19333   19333   19333   19333   19333   19333   19333   19333   19333   19333		21299
12, Trig(A.D. Difficatin', Use, up 15 (S)   12   12   12   12   12   12   12   1		
2_TriqQA_DifficanY_Uis_uptp15[0]   2299		
2_Track_D_Difficanty_Usu_trp15[9][0]   2214   2_Track_D_Difficanty_Usu_trp15[9][1]   19333   2_Track_D_Difficanty_Usu_trp15[9][1]   19333   2_Track_D_Difficanty_Usu_trp15[9][1]   21299   2_Track_D_Difficanty_Usu_trp15[9][1]   19333   2_Track_D_Difficanty_Usu_trp15[9][1]   19333   2_Track_D_Difficanty_Usu_trp15[9][1]   19333   2_Track_D_Difficanty_Usu_trp15[9][1]   19333   2_Track_D_Difficanty_Usu_trp15[9][1]   19333   2_Track_D_Difficanty_Usu_trp15[9][1]   19333   2_Track_D_Difficanty_Usu_trp15[9][1]   2214   2_Track_D_Difficanty_Usu_trp15[9][1]   19333   19333   19333   19333   19333   19333   19333   19333   19333   19333   19333   19334   19334   19334   19334   19335   19334   19334   19334   19334   19334   19334   19334   19334   19334   19334   19334   19334		
2_TriqQ_A_DiffGainY_Us_utp15[4][1]   19333   2_TriqQ_O_DiffGainY_Us_utp15[4][2]   21299   2_TriqQ_O_DiffGainY_Us_utp15[4][2]   21299   2_TriqQ_O_DiffGainY_Us_utp15[4][2]   21299   2_TriqQ_O_DiffGainY_Us_utp15[4][2]   21299   2_TriqQ_O_DiffGainY_Us_utp15[6][0]   17867   2_TriqQ_O_DiffGainY_Us_utp15[6][0]   19333   2_TriqQ_O_DiffGainY_Us_utp15[6][2]   21299   2_TriqQ_O_DiffGainY_Us_utp15[6][2]   21299   2_TriqQ_O_DiffGainY_Us_utp15[6][2]   21299   2_TriqQ_O_DiffGainY_Us_utp15[6][2]   2_TriqQ_O_DiffGainY_Us_utp15[6][2]   2_TriqQ_O_DiffGainY_Us_utp15[6][2]   2_TriqQ_O_DiffGainY_Us_utp15[6][2]   2_TriqQ_O_DiffGainY_Us_utp15[6][2]   2_TriqQ_O_DiffGainY_Us_utp15[6][2]   2_TriqQ_O_DiffGainY_Us_utp15[6][2]   2_TriqQ_O_DiffGainY_Us_utp15[6][2]   2_TriqQ_O_DiffGainY_Us_utp15[7][1]   19333   2_TriqQ_O_DiffGainY_Us_utp15[7][1]   19333   2_TriqQ_O_DiffGainY_Us_utp15[7][1]   19333   2_TriqQ_O_DiffGainY_Us_utp15[7][2]   2_TriqQ_O_DiffGainY_Us_utp15[7][2]   2_TriqQ_O_DiffGainY_Us_utp15[7][2]   2_TriqQ_O_DiffGainY_Us_utp15[7][2]   2_TriqQ_O_DiffGainY_Us_utp15[7][3]   2_TriqQ_O_DiffGainQ_Us_utp15[7][3]   2_TriqQ_O_DiffGainQ_Us_utp15[7][3]   2_TriqQ_O_DiffGainQ_Us_utp15[7][3]   2_TriqQ_O_DiffGainQ_Us_utp15[7][3]   2_TriqQ_O_DiffGainQ_Us_utp15[7][3]   2_TriqQ_O_DiffGainQ_Us_utp15[7][3]   2_TriqQ_O_DiffGa		
12, TrqLOA_DiffGainY_Us_up15[4][1]   19333   28214   2, TrqLOA_DiffGainY_Us_up15[4][2]   2; 2299   2, TrqLOA_DiffGainY_Us_up15[4][3]   28214   2, TrqLOA_DiffGainY_Us_up15[5][0]   17367   2, TrqLOA_DiffGainY_Us_up15[5][1]   19333   28214   2, TrqLOA_DiffGainY_Us_up15[5][1]   19333   2, TrqLOA_DiffGainY_Us_up15[5][2]   2; 2299   2, TrqLOA_DiffGainY_Us_up15[5][3]   26214   2, TrqLOA_DiffGainY_Us_up15[5][3]   26214   2, TrqLOA_DiffGainY_Us_up15[5][3]   2, TrqLOA_DiffGainY_Us_up15[5][1]   19333   2, TrqLOA_DiffGainY_Us_up15[6][1]   19333   2, TrqLOA_DiffGainY_Us_up15[6][1]   19333   2, TrqLOA_DiffGainY_Us_up15[6][2]   2, TrqLOA_DiffGainY_Us_up15[6][2]   2, TrqLOA_DiffGainY_Us_up15[6][2]   2, TrqLOA_DiffGainY_Us_up15[7][3]   2, TrqLOA_DiffGainY		
12, TrigLOA_DiffGainY_Us_up15[4][2]   21299		
2_TrqLOA_DiffGainY_Us_urp1s[s][0]   17387   19333		21299
12_TrqLOA_DiffGainY_Uis_utpt5[5][1]   19333   2299   22199   22199   22190	t2_TrqLOA_DiffGainY_UIs_u1p15[4][3]	26214
	t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	
12_TrqLOA_DiffGainY_Uls_up15[5[3]       28214         12_TrqLOA_DiffGainY_Uls_up15[5[0]       17367         12_TrqLOA_DiffGainY_Uls_up15[6[1]       19333         12_TrqLOA_DiffGainY_Uls_up15[6[2]       21299         12_TrqLOA_DiffGainY_Uls_up15[6][3]       26214         12_TrqLOA_DiffGainY_Uls_up15[7][1]       19333         12_TrqLOA_DiffGainY_Uls_up15[7][1]       19333         12_TrqLOA_DiffGainY_Uls_up15[7][3]       26214         1_TrqLOA_DiffGainY_Uls_up15[7][3]       26214         1_TrqLOA_DiffGainY_Uls_up15[7][3]       26214         1_TrqLOA_DiffGainY_Uls_up15[7][3]       26214         1_TrqLOA_DiffGainY_Q_up14[1]       18678         1_TrqLOA_DiffGainX_Q_up14[1]       18678         1_TrqLOA_DiffGainX_Q_up14[3]       24941         1_TrqLOA_HighSpeedTrqBiend_X_Kph_u10p6[0]       14720         1_TrqLOA_HighSpeedTrqBiend_X_Kph_u10p6[1]       15040         1_TrqLOA_HighSpeedTrqBiend_X_Kph_u10p6[4]       16000         1_TrqLOA_HighSpeedTrqBiend_X_Uls_up15[5]       2277         1_TrqLOA_HighSpeedTrqBiend_X_Uls_up15[5]       2277         1_TrqLOA_HighSpeedTrqBiend_Y_Uls_up15[3]       13107         1_TrqLOA_HighSpeedTrqBiend_Y_Uls_up15[3]       13107         1_TrqLOA_HighSpeedTrqBiend_Y_Uls_up15[4]       16384         1_TrqLOA_La		
1.7867   1.7866   1.7867   1		
1933		
12_TrqLOA_DiffGainY_Uls_utp15[6][2]   21299   26214   12_TrqLOA_DiffGainY_Uls_utp15[6][3]   26214   12_TrqLOA_DiffGainY_Uls_utp15[7][0]   17367   12_TrqLOA_DiffGainY_Uls_utp15[7][1]   19333   12_TrqLOA_DiffGainY_Uls_utp15[7][2]   21299   12_TrqLOA_DiffGainY_Uls_utp15[7][2]   26214   1774_DA_DiffGainY_Uls_utp15[7][2]   26214   1774_DA_DiffGainY_Uls_utp15[7][2]   26214   1774_DA_DiffGainX_G_u2p14[0]   17695   1774_DA_DiffGainX_G_u2p14[0]   17695   1774_DA_DiffGainX_G_u2p14[0]   17695   1774_DA_DiffGainX_G_u2p14[2]   21299   1774_DA_DiffGainX_G_u2p14[2]   21299   1774_DA_DiffGainX_G_u2p14[2]   21299   1774_DA_DiffGainX_G_u2p14[2]   21299   1774_DA_DiffGainX_G_u2p14[2]   15040   1774_DA_DiffGainX_G_u2p14[2]   1		
2_TrqLOA_DiffGainY_Uls_utp15[6]3   26214     2_TrqLOA_DiffGainY_Uls_utp15[7][0]   17367     2_TrqLOA_DiffGainY_Uls_utp15[7][1]   19333     2_TrqLOA_DiffGainY_Uls_utp15[7][2]   21299     2_TrqLOA_DiffGainY_Uls_utp15[7][3]   26214     TrqLOA_DiffGainY_Uls_utp15[7][3]   26214     TrqLOA_DiffGainX_G_u2p14[0]   17695     TrqLOA_DiffGainX_G_u2p14[1]   18678     TrqLOA_DiffGainX_G_u2p14[2]   21299     TrqLOA_DiffGainX_G_u2p14[3]   29491     TrqLOA_DiffGainX_G_u2p14[3]   29491     TrqLOA_DiffGainX_G_u2p14[3]   29491     TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]   14720     TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]   15040     TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]   15380     TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]   15680     TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]   16000     TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]   3277     TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]   6554     TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]   13107     TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]   13107     TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]   13107     TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]   16384     TrqLOA_LataccGain_Y_Mirnyng_u4p12[0]   20480     TrqLOA_LataccGain_Y_Mirnyng_u4p12[1]   21299     TrqLOA_LataccGain_Y_Mirnyng_u4p12[1]   21299     TrqLOA_LataccGain_Y_Mirnyng_u4p12[1]   21299     TrqLOA_LataccGain_Y_Mirnyng_u4p12[1]   21299     TrqLOA_LataccGain_Y_Mirnyng_u4p12[1]   22692     TrqLOA_LataccGain_Y_Mirnyng_u4p12[1]   298672     TrqLOA_LataccGain_Y_Mirnyng_u4p12[1]   298672     TrqLOA_LataccGain_Y_Mirnyng_u4p12[1]   298672     TrqLOA_LataccGain_Y_Mirnyng_u4p12[1]   298672     TrqLOA_LataccGain_Y_Mirnyng_u4p12[1]   298672     TrqLOA_LataccGain_Y_Mirnyng_u4p12[1]   298672     TrqLOA_LataccGain_Y_Mirnyng_u4p12[1]   29891     TrqLOA_LataccGain_Y_Mirnyng_u4p12[1]   298672     TrqLOA_LataccGain_Y_Mirnyng_u4p12[1]   298672     TrqLOA_LataccGain_Y_Mirnyng_u4p12[1]   298672     TrqLOA_LataccGain_Y_Mirnyng_u4p12[1]   298672     TrqLOA_TempTrqCmdSatYTb_Mirnyn_u4p12[2]   21709     TrqLOA_TempTrqCmdSatYTb_Mirnyn_u4p12[2]   21709     TrqLOA_Te		
12_TrqLOA_DiffGainY_Uls_utp15[7][1]       19333         12_TrqLOA_DiffGainY_Uls_utp15[7][2]       21299         2_TrqLOA_DiffGainY_Uls_utp15[7][3]       26214         1_TrqLOA_DiffGainX_G_uzp14[0]       17695         1_TrqLOA_DiffGainX_G_uzp14[1]       18678         1_TrqLOA_DiffGainX_G_uzp14[2]       21299         1_TrqLOA_DiffGainX_G_uzp14[3]       29491         1_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]       14720         1_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]       15040         1_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]       15360         1_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]       15680         1_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]       3277         1_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]       3277         1_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]       3107         1_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]       13107         1_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]       16384         1_TrqLOA_LatAccGain_Y_Mitnymg_u4p12[0]       20480         1_TrqLOA_LatAccGain_Y_Mitnymg_u4p12[1]       21299         1_TrqLOA_LatAccGain_Y_Mitnymg_u4p12[4]       28672         1_TrqLOA_LatAccGain_Y_Mitnymg_u4p12[4]       28672         1_TrqLOA_LatAccGain_Y_Mitnymg_u4p12[4]       28672         1_TrqLOA_LatAccGain_Y_Mitnymg_u4p12[7]       33587 <td></td> <td>26214</td>		26214
12_TrqLOA_DiffGainY_Uls_utp15[7][2]   21299     12_TrqLOA_DiffGainY_Uls_utp15[7][3]   26214     17rqLOA_DiffGainX_G_uzp14[1]   18678     1_TrqLOA_DiffGainX_G_uzp14[2]   21299     1_TrqLOA_DiffGainX_G_uzp14[3]   29491     1_TrqLOA_DiffGainX_G_uzp14[3]   29491     1_TrqLOA_DiffGainX_G_uzp14[3]   29491     1_TrqLOA_DiffGainX_G_uzp14[3]   29491     1_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]   14720     1_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]   15040     1_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]   15880     1_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]   15880     1_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]   16000     1_TrqLOA_HighSpeedTrqBlend_X_Uls_utp15[0]   3277     1_TrqLOA_HighSpeedTrqBlend_Y_Uls_utp15[2]   9830     1_TrqLOA_HighSpeedTrqBlend_Y_Uls_utp15[3]   13107     1_TrqLOA_HighSpeedTrqBlend_Y_Uls_utp15[3]   13107     1_TrqLOA_HighSpeedTrqBlend_Y_Uls_utp15[3]   13107     1_TrqLOA_HighSpeedTrqBlend_Y_Uls_utp15[3]   20480     1_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]   21299     1_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]   24576     1_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]   2699     1_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]   28672     1_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]   28672     1_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]   29491     1_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]   28672     1_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]   28672     1_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]   33587     1_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]   33587     1_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]   33587     1_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]   33587     1_TrqLOA_TempTrqCmdSatYTb_MtrNm_u4p12[7]   19251     1_TrqLOA_TempTrqC	t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	17367
12_TrqLOA_DiffGainY_Uls_ulp15[7][3]         26214           LTrqLOA_DiffGainX_G_uzp14[0]         17695           LTrqLOA_DiffGainX_G_uzp14[7]         18678           L_TrqLOA_DiffGainX_G_uzp14[2]         21299           LTrqLOA_HignSpeedTrqBlend_X_Kph_u10p6[0]         14720           L_TrqLOA_HignSpeedTrqBlend_X_Kph_u10p6[1]         15040           L_TrqLOA_HignSpeedTrqBlend_X_Kph_u10p6[2]         15380           L_TrqLOA_HignSpeedTrqBlend_X_Kph_u10p6[3]         15680           L_TrqLOA_HignSpeedTrqBlend_X_Kph_u10p6[3]         16000           L_TrqLOA_HignSpeedTrqBlend_X_Kph_u10p6[4]         16000           L_TrqLOA_HignSpeedTrqBlend_Y_Uls_u1p15[0]         3277           L_TrqLOA_HignSpeedTrqBlend_Y_Uls_u1p15[3]         6554           L_TrqLOA_HignSpeedTrqBlend_Y_Uls_u1p15[3]         13107           L_TrqLOA_HignSpeedTrqBlend_Y_Uls_u1p15[4]         6584           L_TrqLOA_HignSpeedTrqBlend_Y_Uls_u1p15[4]         16384           L_TrqLOA_HignSpeedTrqBlend_Y_Uls_u1p15[4]         16384           L_TrqLOA_LadAccGain_Y_MitrNimpG_u4p12[0]         20480           L_TrqLOA_LadAccGain_Y_MitrNimpG_u4p12[1]         21299           L_TrqLOA_LadAccGain_Y_MitrNimpG_u4p12[4]         28672           L_TrqLOA_LadAccGain_Y_MitrNimpG_u4p12[4]         28672           L_TrqLOA_LadAccGain_Y_MitrNimpG_u4p12[6]         <		
TrqLOA_DiffGainX_G_u2p14[0]   17695     TrqLOA_DiffGainX_G_u2p14[7]   18678     TrqLOA_DiffGainX_G_u2p14[2]   21299     TrqLOA_DiffGainX_G_u2p14[3]   29491     TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]   14720     TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]   15040     TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]   15380     TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]   15680     TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]   15680     TrqLOA_HighSpeedTrqBlend_X_Ubl_u1p15[0]   3277     TrqLOA_HighSpeedTrqBlend_Y_Ubl_u1p15[0]   3277     TrqLOA_HighSpeedTrqBlend_Y_Ubl_u1p15[1]   6554     TrqLOA_HighSpeedTrqBlend_Y_Ubl_u1p15[2]   9830     TrqLOA_HighSpeedTrqBlend_Y_Ubl_u1p15[3]   13107     TrqLOA_HighSpeedTrqBlend_Y_Ubl_u1p15[3]   13107     TrqLOA_HighSpeedTrqBlend_Y_Ubl_u1p15[4]   16384     TrqLOA_LidAccGain_Y_MtrNmpG_u4p12[0]   20480     TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]   21299     TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]   25395     TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]   25395     TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]   28672     TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]   32768     TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]   33587     TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]   11469     TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]   11469     TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]   19251     TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]   19251     TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]   21709     TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]   19661		
LTrqLOA_DiffGainX_G_u2p14[1]         18678           LTrqLOA_DiffGainX_G_u2p14[2]         21299           LTrqLOA_DiffGainX_G_u2p14[3]         29491           LTrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]         14720           LTrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]         15040           LTrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]         15360           LTrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]         16680           LTrqLOA_HighSpeedTrqBlend_X_Vbl_u10p6[4]         16000           LTrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]         3277           LTrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]         8830           LTrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]         13107           LTrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]         16384           LTrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]         20480           LTrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]         20480           LTrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]         21299           LTrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]         25395           LTrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]         28672           LTrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]         29491           LTrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]         32768           LTrqLOA_TempTrqCmdSalYTb_MtrNm_u4p12[0]         11469           LTrqLOA_TempTrqCmdSalYTb_MtrNm_u4p12[0]         11469      <		
LTrqLOA_DiffGainX_G_u2p14[2]       21299         LTrqLOA_DiffGainX_G_u2p14[3]       29491         LTrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]       14720         LTrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]       15040         LTrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]       15360         LTrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]       15680         LTrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]       16000         LTrqLOA_HighSpeedTrqBlend_Y_UIs_u1p15[0]       3277         LTrqLOA_HighSpeedTrqBlend_Y_UIs_u1p15[1]       6554         L_TrqLOA_HighSpeedTrqBlend_Y_UIs_u1p15[2]       9830         L_TrqLOA_HighSpeedTrqBlend_Y_UIs_u1p15[3]       13107         L_TrqLOA_HighSpeedTrqBlend_Y_UIs_u1p15[4]       16384         L_TrqLOA_LatAccGain_Y_MirNmpG_u4p12[0]       20480         L_TrqLOA_LatAccGain_Y_MirNmpG_u4p12[1]       21299         L_TrqLOA_LatAccGain_Y_MirNmpG_u4p12[2]       24576         L_TrqLOA_LatAccGain_Y_MirNmpG_u4p12[3]       25395         L_TrqLOA_LatAccGain_Y_MirNmpG_u4p12[4]       28672         L_TrqLOA_LatAccGain_Y_MirNmpG_u4p12[6]       32768         L_TrqLOA_TempTrqCmdSatYTb_MirNm_u4p12[0]       11469         L_TrqLOA_TempTrqCmdSatYTb_MirNm_u4p12[0]       11469         L_TrqLOA_TempTrqCmdSatYTb_MirNm_u4p12[1]       19251         L_TrqLOA_TempTrqCmdSatYTb_MirNm_u4p		
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]       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[6]       32768         t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]       32768         t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]       11469         t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]       21709         t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]       21709		
L TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]       14720         t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]       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]       13107         t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]       16384         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[7]       33587         t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]       11469         t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]       11469         t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]       21709         t_		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1] 15040 t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2] 15360 t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3] 15860 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] 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[5] 29491 t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5] 29491 t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6] 32768 t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7] 33887 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		
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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_HighSpeedTrqBlend_Y_Uls_u1p15[4] 20480 t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0] 20480 t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1] 21299 t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2] 24576 t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3] 25395 t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4] 28672 t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5] 29491 t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6] 32768 t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7] 33587 t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0] 11469 t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1] 19251 t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3] 19661	t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	15360
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_LatAccGain_Y_MtrNmpG_u4p12[0] 11469 t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0] 19251 t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3] 21709 t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3] 19661		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_ulp15[1] 6554 t_TrqLOA_HighSpeedTrqBlend_Y_Uls_ulp15[2] 9830 t_TrqLOA_HighSpeedTrqBlend_Y_Uls_ulp15[3] 13107 t_TrqLOA_HighSpeedTrqBlend_Y_Uls_ulp15[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_LatAccGain_Y_MtrNmpG_u4p12[7] 1469 t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0] 11469 t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2] 21709 t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3] 19661		
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] 11469  t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1] 19251  t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2] 21709  t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3] 19661		
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] 11469  t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1] 19251  t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2] 21709  t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3] 19661		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4] 16384  t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0] 20480  t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1] 21299  t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2] 24576  t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3] 25395  t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4] 28672  t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5] 29491  t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6] 32768  t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7] 33587  t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0] 11469  t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1] 19251  t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2] 21709  t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3] 19661		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0] 20480  t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1] 21299  t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2] 24576  t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3] 25395  t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4] 28672  t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5] 29491  t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6] 32768  t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7] 33587  t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0] 11469  t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1] 19251  t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2] 21709  t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3] 19661		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1] 21299 t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2] 24576 t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3] 25395 t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4] 28672 t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5] 29491 t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6] 32768 t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7] 33587 t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0] 11469 t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1] 19251 t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2] 21709 t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3] 19661		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]       24576         t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]       25395         t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]       28672         t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]       29491         t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]       32768         t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]       33587         t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]       11469         t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]       19251         t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]       21709         t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]       19661		
t_TrqLOA_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		24576
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_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_LatAccGainMtrNmpG_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[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[1]       19251         t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]       21709         t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]       19661		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2] 21709 t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3] 19661		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3] 19661		
		24986

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_HandwheelA	uthority_Uls_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpS	ecSq_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_Igc	target_TrqLOA_Per1_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_	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	_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd	_MtrNm_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc	target_TrqLOA_Per1_VehicleSpee	dValid_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpee	d_Kph_f32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	1		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-3.16734862		
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	<b>✓</b>

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	0.600000024
rqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0179999992
rqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-6.56088591
rqLOA_TloaCmd_MtrNm_M_f32	-3
rqLOA_TrqBasedScaleFactor_Uls_M_f32	-0.649484217
_TrqLOA_AbsAssistThreshold_MtrNm_f32	4.52225447
_TrqLOA_AbsVelThreshold_MtrRadpS_f32	855.912842
_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-13.8163471
_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	83.0125198
_TrqLOA_FallingRampRate_UlspS_f32	-80.8626328
_TrqLOA_LatAccConversionFactor_Uls_f32	1.45001364
_TrqLOA_LimOutput_MtrNm_f32	1.74174845
_TrqLOA_MaxScaleFactor_Uls_f32	0.49027431
_TrqLOA_MinScaleFactor_Uls_f32	1
_TrqLOA_NomDrvTrq_MtrNm_f32	8.08836651
_TrqLOA_RisingRampRate_UlspS_f32	368.683472
_TrqLOA_SteerRatio_Uls_f32	23.0188789
_TrqLOA_UndersteerGrad_RadpG_f32	0.25
_TrqLOA_Wheelbase_M_f32	9.51464558
2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	655
2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	2458
2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	4915
2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	6226
2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	655
2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	2458
2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	4915
2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	6226
2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	655
2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	2458

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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] t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	4915 6226
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	655
t2_TrqLOA_DiffGainY_UIs_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]	4971
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_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_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.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 target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0.090705514 0.422303379 1

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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	<b>✓</b>
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	<b>✓</b>

Test Step 2.14 (Repeat Count = 1)		<b>✓</b>
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_UIs_f32	7.44272804	
k_TrqLOA_LimOutput_MtrNm_f32	1.15138853	
k_TrqLOA_MaxScaleFactor_Uls_f32	0.901087523	
k_TrqLOA_MinScaleFactor_Uls_f32	1	
k TrgLOA NomDrvTrg 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_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][1]	9503	
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	9830	
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	6554	
	8192	
t2_TrqLOA_DiffGainY_UIs_u1p15[3][1] t2_TrqLOA_DiffGainY_UIs_u1p15[3][2]	9503	
	9830	
t2_TrqLOA_DiffGainY_UIs_u1p15[3][3] t2_TrqLOA_DiffGainY_UIs_u1p15[4][0]	6554	
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1] t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	8192 9503	
t2_TrqLOA_DiffGainY_UIs_u1p15[4][3]	9830	
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	6554 8192	
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]		
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	9503	
t2_TrqLOA_DiffGainY_Uls_u1p15[5][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	
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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_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	· <del>-</del>	
target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_H		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOAAvail_		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSpeed		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpeed 0.828065395	ι_rsμι_132 	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	-10		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-10 1		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1		
target_TrqLOA_Per1_MotAgLoaMigtriEn_Crit_igc.value	-1079.4718		
target_TrqLOA_Per1_Mit/veiOKP_Mit/Kaup3_i32.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	Poor It
		Expected Value	Result
TrqLOA_LatAccsCaleFactor_UIs_M_f32	0.844127297	0.844127297	
TrqLOA_LatAccelSV_g_M_Str.SV_UIs_f32	0.601803422	0.601803422 ± 0.01	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-3.24986959	-3.24986959 ± 0.01	
TrqLOA_TloaCmd_MtrNm_M_f32  TrqLOA_TrqBasedScaleEaster_Llls_M_f32	-1.15138853 1	-1.15138853 ± 0.01 1 ± 0.01	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32			
target TrqLOA Per1 TrqLOAAvail Cnt Igc.value	0	0	<b>▼</b>

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





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

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Name	Input Value		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	27443		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	29082		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	35226		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	32358		
t_TrqLOA_X_Kph_u10p6[0]	6208		
t_TrqLOA_X_Kph_u10p6[1]	6272		
t_TrqLOA_X_Kph_u10p6[2]	6336		
t_TrqLOA_X_Kph_u10p6[3]	6400		
t_TrqLOA_X_Kph_u10p6[4]	6464		
t_TrqLOA_X_Kph_u10p6[5]	6528		
t_TrqLOA_X_Kph_u10p6[6]	6592		
t_TrqLOA_X_Kph_u10p6[7]	6656		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthority	/_Uls_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecSq_f	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_f32		
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	1		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	10		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	876.956238		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-210.713165		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	33.52005		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.556175113	0.556175113	•
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	-0.021463953	-0.0214639828 ± 0.01	•
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-0.0189343765	-0.0189344287 ± 0.01	•
TrqLOA_TloaCmd_MtrNm_M_f32	-0.0189343765	-0.0189344287 ± 0.01	•
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	1	1 ± 0.01	•
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	•
toward Tool OA Dard Tool OA Oard Michiga 600 colors	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
r_TrqLOA_MaxScaleFactor_Uls_f32	0.879272461
_TrqLOA_MinScaleFactor_Uls_f32	1
_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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TrqLOA\_Per1

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	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	<b>✓</b>	
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	<b>✓</b>	
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	<b>✓</b>	
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0.00152588892	0.00152595004 ± 0.01	<b>✓</b>	

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		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	40960		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	41779		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	45056		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	45875		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	49152		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	49971		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	4915		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	9421		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	15155		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	16384		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	18432		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	20070		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	21709		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	23347		
t_TrqLOA_X_Kph_u10p6[0]	7232		
t_TrqLOA_X_Kph_u10p6[1]	7296		
t_TrqLOA_X_Kph_u10p6[2]	7360		
t_TrqLOA_X_Kph_u10p6[3]	7424		
t_TrqLOA_X_Kph_u10p6[4]	7488		
t_TrqLOA_X_Kph_u10p6[5]	7552		
t_TrqLOA_X_Kph_u10p6[6]	7616		
t_TrqLOA_X_Kph_u10p6[7]	7680	IAuthority IIIo 122	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_Handwhee		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_Mp		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_Igc	target_TrqLOA_Per1_LatAccelVa	*	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_Igc	target_TrqLOA_Per1_MotAgLoal		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_MtrVelCRF 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 Rte Inst Ap TrqLOA.TrqLOA Per1 VehicleSpeedValid Cnt Igc	target_TrqLOA_Per1_TrqLOACm target_TrqLOA_Per1_VehicleSpe		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpe		
target TrqLOA Per1 HandwheelAuthority Uls f32.value	0.747072339		
target_IrqLOA_Per1_HandwheelAuthority_OIs_132.value target TrqLOA Per1_LatAcc MpSecSq f32.value	0.747072339		
target_IrqLOA_Per1_LatAcce_MpSecSq_t32.value 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		Expected Value	Result
	Actual Value	· · · · · · · · · · · · · · · · · · ·	Result
TrqLOA_LatAccScaleFactor_UIs_M_f32	0.916316807	0.916316807	
TrqLOA_LatAccelSV_g_M_Str.SV_UIs_f32	0.192429781	0.192429766 ± 0.01	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-0	0 ± 0.01	
TrqLOA_TloaCmd_MtrNm_M_f32	-0	0 ± 0.01	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32 target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	-0.286127269 0	-0.28612721 ± 0.01	

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

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TrqLOA\_Per1



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

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Name	Input Value		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	16794		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	19251		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	20890		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	22938		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	24166		
t_TrqLOA_X_Kph_u10p6[0]	7744		
t_TrqLOA_X_Kph_u10p6[1]	7808		
t_TrqLOA_X_Kph_u10p6[2]	7872		
t_TrqLOA_X_Kph_u10p6[3]	7936		
t_TrqLOA_X_Kph_u10p6[4]	8000		
t_TrqLOA_X_Kph_u10p6[5]	8064		
t_TrqLOA_X_Kph_u10p6[6]	8128		
t_TrqLOA_X_Kph_u10p6[7]	8192		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_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_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_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	





2. Track.D. Diseaser, Use, priscipii   6954   2. Track.D. Diseaser, Use, priscipii   6903   3. Track.D. Diseaser, Use, priscipii   6903   4. Track.D. Diseaser	Name	Input Value
2. Tracko, Different   Us. share SEPT		
Part		
2_Tria_CA_PRESSON_Bu_styleStyleStyleStyleStyleStyleStyleStyleS		
2   Toto, D.   Discour   Usu styristics		9830
Part	t2_TrqLOA_DiffGainY_UIs_u1p15[3][0]	6554
2_Triq O_PRIGNAT_UBSPEEQED	t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	8192
12_TricQ.D.   Directory Us., ptp154[0]	t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	9503
2_TRICO_D DRIGINARY US. \$\text{styles 10 }	t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	9830
Part	t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	6554
12_TricQ.D. DRIGGINY Us. y1515[3]   850   854   12_TricQ.D. DRIGGINY Us. y1515[3]   852   852   853	t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	8192
2. TotaQ.D. Diffication V. Us., pth p58(91)   8192   2. TotaQ.D. Diffication V. White Psic psic psic psic psic psic psic psic p		
2_TrigCAD_DITIONS**/ Use_styl=5[3][7]   6192     2_TrigCAD_DITIONS**/ Use_styl=5[3][7]   6563     2_TrigCAD_DITIONS**/ Use_styl=5[3][7]   6192     2_TrigCAD_DITIONS**, Zupi+6[4]   1227     2_TrigCAD_DITIONS**, Zupi+6[4]   1227     2_TrigCAD_DITIONS**, Zupi+6[4]   1927     2_TrigCAD_DITIONS**, Zupi+6[4]   1927     2_TrigCAD_DITIONS**, Zupi+6[4]   1927     2_TrigCAD_DITIONS**, Zupi+6[4]   1920     2_TrigCAD_DITIONS**,		
2_Tri_CO_A_Difficative_Ustri_15[8][7]   9830		
Part		
Part		
2_TriQ_A_DRTGamY_Us_vir_15(0)    15(0		
2_TriqCAD_Difficativy_Usi_upi_19[8]		
2_Tric(A_D_Millor, Usu_utp15(1)]   850   851   852   2_Tric(A_D_Millor, Usu_utp15(1)]   853   852   2_Tric(A_D_Millor, Usu_utp15(1)]   853		
2. Tra(.D.A. Difficativ, Uis. μ1957[1]   554     2. Tra(.D.A. Difficativ, Uis. μ1957[2]   593     2. Tra(.D.A. Difficativ, Uis. μ1957[3]   593     2. Tra(.D.A. Difficativ, Uis. μ1957[3]   593     2. Tra(.D.A. Difficativ, C. u2954[0]   12288     2. Tra(.D.A. Difficativ, C. u2954[0]   13271     2. Tra(.D.A. Difficativ, C. u2954[0]   1490     2. Tra(.D.A. HighspeedTrightent, X. Kpt., u1995[0]   190     2. Tra(.D.A. HighspeedTrightent, X. Kpt., u1995[0]   289     2. Tra(.D.A. HighspeedTrightent, X. Kpt., u1995[0]   289     2. Tra(.D.A. HighspeedTrightent, Y. Lin, u1995[0]   393     2. Tra(.D.A. HighspeedTrightent, Y. Lin, u1995[0]   499     2. Tra(.D.A.		
2_Triq CA_D_PIRGAINY_Uss_up157[7]		
2. Troj.C.A.   DifficantY   Usu   Up15(T)[3]   9830     LTqi,C.A.   DifficantY   Usu   Up15(T)[3]   9830     LTqi,C.A.   DifficantX   C.   LZP14[0]   12288     LTqi,C.A.   DifficantX   C.   LZP14[0]   12288     LTqi,C.A.   DifficantX   C.   LZP14[0]   1400     LTqi,C.A.   DifficantX   C.   LZP14[0]   1400     LTqi,C.A.   Lights   C.   LZP14[0]   1400     LTqi,C.A.   Lights   C.   LZP14[0]   1500     LTqi,C.A.   Lights   LZP14[0]   1500     L		
2_Triq_O_D_DiffGainY_Us_up167[3]   890		
LTRIG Q.D. DITGGANX G. JU201451   13271   13		
LTRUCA D. Diffsam, G. g. go.j 443   1966   1920		12288
Tra(LO, AlphSpeedTraBlend, X, Kph_u10p6[0]   1920	t_TrqLOA_DiffGainX_G_u2p14[1]	13271
TracloA HighSpeedTraglend X, Kph_u10p8[1]   2240	t_TrqLOA_DiffGainX_G_u2p14[2]	14909
LTrqLOA. HighSpeedTrqBlend X, Kph_u10p6[1] 2860 LTrqLOA. HighSpeedTrqBlend X, Kph_u10p6[2] 2860 LTrqLOA. HighSpeedTrqBlend X, Kph_u10p6[2] 2860 LTrqLOA. HighSpeedTrqBlend X, Kph_u10p6[4] 3200 LTrqLOA. HighSpeedTrqBlend Y, Lph_u10p6[4] 3200 LTrqLOA. HighSpeedTrqBlend Y, Us_u1p15[0] 6554 LTrqLOA. HighSpeedTrqBlend Y, Us_u1p15[1] 9830 LTrqLOA. HighSpeedTrqBlend Y, Us_u1p15[2] 13107 LTrqLOA. HighSpeedTrqBlend Y, Us_u1p15[2] 13107 LTrqLOA. HighSpeedTrqBlend Y, Us_u1p15[2] 19884 LTrqLOA. HighSpeedTrqBlend Y, Us_u1p15[2] 19884 LTrqLOA. HighSpeedTrqBlend Y, Us_u1p15[2] 4966 LTrqLOA. LidhocSain Y, Minning Usp12[2] 4915 LTrqLOA. LidhocSain Y, Minning Usp12[2] 4916 LTrqLOA. LidhocSain Y, Minning Usp12[2] 4916 LTrqLOA. LidhocSain Y, Minning Usp12[2] 4917 LTrqLOA. TempTrqCmdSstYTD, Minnin Usp12[2] 4918 LTrqLOA. PempTrqCmdSstYTD, Minnin Us	t_TrqLOA_DiffGainX_G_u2p14[3]	19661
CTRICOA HighSpeedTrigBlend X Kph_u10p8[2]   2560   CTRICOA HighSpeedTrigBlend X Kph_u10p8[3]   2880   288	t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	1920
TrqLOA HighSpeedTrqBlend X Kph_u10p6[4]   3200     TrqLOA HighSpeedTrqBlend X Vph_u10p6[4]   3200     TrqLOA HighSpeedTrqBlend Y, Vlb_u1p15[9]   6554     TrqLOA HighSpeedTrqBlend Y, Vlb_u1p15[9]   9830     TrqLOA HighSpeedTrqBlend Y, Vlb_u1p15[9]   13107     TrqLOA HighSpeedTrqBlend Y, Vlb_u1p15[3]   16384     TrqLOA HighSpeedTrqBlend Y, Vlb_u1p15[4]   19861     TrqLOA HighSpeedTrqBlend Y, Vlb_u1p15[4]   19861     TrqLOA HighSpeedTrqBlend Y, Vlb_u1p15[4]   19861     TrqLOA LindxcGain Y, MinningC u4p12[7]   4915     TrqLOA LindxcGain Y, MinningC u4p12[7]   4915     TrqLOA LindxcGain Y, MinningC u4p12[8]   4916     TrqLOA LindxcGain Y, MinningC u4p12[8]   13107     TrqLOA LindxcGain Y, MinningC u4p12[9]   13107     TrqLOA LindxcGain Y, MinningC u4p12[9]   13288     TrqLOA LindxcGain Y, MinningC u4p12[9]   13107     TrqLOA LindxcGain Y, MinningC u4p12[9]   13107     TrqLOA LindxcGain Y, MinningC u4p12[9]   13107     TrqLOA LindxcGain Y, MinningC u4p12[9]   13288     TrqLOA LindxcGain Y, MinningC u4p12[9]   17203     TrqLOA LindxcGain Y, MinningC u4p12[9]   17203     TrqLOA LindxcGain Y, MinningC u4p12[9]   17203     TrqLOA TempTrqCmdsSaftY Minning u4p12[9]   24166     TrqLOA X (xpn_u10p6[9]   3834     TrqLOA X (xpn	t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	
TrqLOA_HighSpeedTrqBlend_Y_Ubutp15[0]   6554		
LTra(LOA_HighSpeedTrqBlend_Y_Uis_upts[5]] 9830 LTra(LOA_HighSpeedTrqBlend_Y_Uis_upts[5]] 9830 LTra(LOA_HighSpeedTrqBlend_Y_Uis_upts[5]] 13107 LTra(LOA_HighSpeedTrqBlend_Y_Uis_upts[5]] 13307 LTra(LOA_HighSpeedTrqBlend_Y_Uis_upts[5]] 15384 LTra(LOA_HighSpeedTrqBlend_Y_Uis_upts[5]] 19961 LTra(LOA_HighSpeedTrqBlend_Y_Uis_upts[5]] 19961 LTra(LOA_LidAcGGin_Y_MinningC_upts[2]] 19961 LTra(LOA_LidAcGGin_Y_MinningC_upts[2]] 19961 LTra(LOA_LidAcGGin_Y_MinningC_upts[2]] 1991 LTra(LOA_LidAcGGin_Y_MinningC_upts[2]] 1991 LTra(LOA_LidAcGGin_Y_MinningC_upts[2]] 12288 LTra(LOA_LidAcGGin_Y_MinningC_upts[2]] 12288 LTra(LOA_LidAcGGin_Y_MinningC_upts[2]] 12288 LTra(LOA_LidAcGGin_Y_MinningC_upts[2]] 13307 LTra(LOA_LidAcGGin_Y_MinningC_upts[2]] 13307 LTra(LOA_LidAcGGin_Y_MinningC_upts[2]] 17203 LTra(LOA_LidAcGGin_Y_MinningC_upts[2]] 17203 LTra(LOA_LidAcGGin_Y_MinningC_upts[2]] 17203 LTra(LOA_LidAcGGin_Y_MinningC_upts[2]] 17203 LTra(LOA_TempTra(CmdSatYToL_Minnin_upts[2]] 17203 LTra(LOA_TempTra(CmdSatYToL_M		
TrqLOA HighSpeedTrqBlend Y_Uls_ulp15[1]   9830     TrqLOA HighSpeedTrqBlend Y_Uls_ulp15[2]   13107     TrqLOA HighSpeedTrqBlend Y_Uls_ulp15[3]   16384     TrqLOA LighGspeedTrqBlend Y_Uls_ulp15[3]   16384     TrqLOA LighGspeedTrqBlend Y_Uls_ulp15[3]   19961     TrqLOA LatAccGain Y_MtrNmpG_usp12[0]   4995     TrqLOA LatAccGain Y_MtrNmpG_usp12[2]   4915     TrqLOA LatAccGain Y_MtrNmpG_usp12[3]   9011     TrqLOA LatAccGain Y_MtrNmpG_usp12[3]   9011     TrqLOA LatAccGain Y_MtrNmpG_usp12[3]   12288     TrqLOA LatAccGain Y_MtrNmpG_usp12[6]   16384     TrqLOA LatAccGain Y_MtrNmpG_usp12[6]   16384     TrqLOA LatAccGain Y_MtrNmpG_usp12[7]   17203     TrqLOA TempTrqCmdssYTD_MtrNm_usp12[1]   1878     TrqLOA TempTrqCmdssYTD_MtrNm_usp12[1]   1879     TrqLOA TempTrqCmdssYTD_MtrNm_usp12[3]   17203     TrqLOA TempTrqCmdssYTD_MtrNm_usp12[3]   17203     TrqLOA TempTrqCmdssYTD_MtrNm_usp12[4]   20070     TrqLOA TempTrqCmdssYTD_MtrNm_usp12[6]   24166     TrqLOA TempTrqCmdssYTD_MtrNm_usp12[6]   24166     TrqLOA TempTrqCmdssYTD_MtrNm_usp12[6]   24166     TrqLOA TempTrqCmdssYTD_MtrNm_usp12[6]   24166     TrqLOA X_Kpn_u10p6[1]   8320     TrqLOA X_Kpn_u10p6[1]   8320     TrqLOA X_Kpn_u10p6[6]   8544     TrqLOA X_Kpn_u10p6[6]   8544     TrqLOA X_Kpn_u10p6[6]   8542     TrqLOA X_Kpn_u10p6[6]   8542     TrqLOA X_Kpn_u10p6[6]   8542     TrqLOA X_Kpn_u10p6[6]   8640     TrqLOA X_Kpn_u10p6[6]   8640     TrqLOA X_Kpn_u10p6[6]   8640     TrqLOA X_Kpn_u10p6[7]   8724     target_TrqLOA TrqLOA Perl_HandwheelAuthonthy_Uls_172   1872     target_TrqLOA X_Kpn_u10p6[6]   1872     target_TrqLOA X_Kpn_u10p6[6]   1872     target_TrqLOA TrqLOA Perl_HandwheelAuthonthy_Uls_172   1872     target_TrqLOA X_Kpn_u10p6[7]   18		
TrqLOA_HighSpeedTrqBlend_Y_Uls_ulrp15[2]   13107     TrqLOA_HighSpeedTrqBlend_Y_Uls_ulrp15[3]   16384     TrqLOA_HighSpeedTrqBlend_Y_Uls_ulrp15[4]   19661     TrqLOA_LatAccGain_Y_MitrNmpG_usp12[0]   4996     TrqLOA_LatAccGain_Y_MitrNmpG_usp12[1]   4915     TrqLOA_LatAccGain_Y_MitrNmpG_usp12[3]   5192     TrqLOA_LatAccGain_Y_MitrNmpG_usp12[3]   9011     TrqLOA_LatAccGain_Y_MitrNmpG_usp12[4]   12288     TrqLOA_LatAccGain_Y_MitrNmpG_usp12[4]   12288     TrqLOA_LatAccGain_Y_MitrNmpG_usp12[5]   13107     TrqLOA_LatAccGain_Y_MitrNmpG_usp12[7]   17203     TrqLOA_LatAccGain_Y_MitrNmpG_usp12[7]   17203     TrqLOA_LatAccGain_Y_MitrNmpG_usp12[7]   17203     TrqLOA_LatAccGain_Y_MitrNm_usp12[0]   6554     TrqLOA_TempTrqCmdsaYTD_MitrNm_usp12[1]   11878     TrqLOA_TempTrqCmdsaYTD_MitrNm_usp12[2]   16794     TrqLOA_TempTrqCmdsaYTD_MitrNm_usp12[3]   17203     TrqLOA_TempTrqCmdsaYTD_MitrNm_usp12[3]   17203     TrqLOA_TempTrqCmdsaYTD_MitrNm_usp12[4]   20070     TrqLOA_TempTrqCmdsaYTD_MitrNm_usp12[6]   21706     TrqLOA_TempTrqCmdsaYTD_MitrNm_usp12[6]   24166     TrqLOA_TempTrqCmdsaYTD_MitrNm_usp12[7]   24986     TrqLOA_TempTrqCmdsaYTD_MitrNm_usp12[7]   24986     TrqLOA_TempTrqCmdsaYTD_MitrNm_usp12[7]   24986     TrqLOA_TempTrqCmdsaYTD_MitrNm_usp12[7]   24986     TrqLOA_X_Kph_u10p6[0]   8266     TrqLOA_X_Kph_u10p6[0]   8266     TrqLOA_X_Kph_u10p6[0]   8374     TrqLOA_X_Kph_u10p6[0]		
LTrqLOA_HighSpeedTrqBlend_Y_Uis_up15[3]   16384     LTrqLOA_HighSpeedTrqBlend_Y_Uis_up15[4]   19661     LTrqLOA_LatAccGain_Y_MithinpG_up12[0]   4996     LTrqLOA_LatAccGain_Y_MithinpG_up12[1]   4915     LTrqLOA_LatAccGain_Y_MithinpG_up12[3]   8192     LTrqLOA_LatAccGain_Y_MithinpG_up12[3]   9011     LTrqLOA_LatAccGain_Y_MithinpG_up12[4]   12288     LTrqLOA_LatAccGain_Y_MithinpG_up12[5]   13107     LTrqLOA_LatAccGain_Y_MithinpG_up12[6]   16384     LTrqLOA_LatAccGain_Y_MithinpG_up12[7]   17203     LTrqLOA_LatAccGain_Y_MithinpG_up12[7]   17203     LTrqLOA_LatAccGain_Y_MithinpG_up12[7]   17203     LTrqLOA_TempTrqCmdSatYTb_Mithin_up12[7]   1878     LTrqLOA_TempTrqCmdSatYTb_Mithin_up12[7]   1878     LTrqLOA_TempTrqCmdSatYTb_Mithin_up12[2]   16794     LTrqLOA_TempTrqCmdSatYTb_Mithin_up12[4]   20070     LTrqLOA_TempTrqCmdSatYTb_Mithin_up12[4]   20070     LTrqLOA_TempTrqCmdSatYTb_Mithin_up12[6]   24166     LTrqLOA_TempTrqCmdSatYTb_Mithin_up12[6]   24166     LTrqLOA_TempTrqCmdSatYTb_Mithin_up12[7]   24986     LTrqLOA_TempTrqCmdSatYTb_Mithin_up12[7]   24986     LTrqLOA_X_Kph_u10p6[7]   8320     LTrqLOA_X_Kph_u10p6[8]   8576     LTrqLOA_X_Kph_u10p6[9]   8576     LTrqLOA_X_Kph_u10p6[9]   8576     LTrqLOA_X_Kph_u10p6[9]   8774     LTrqLOA_X_Kph_u10p6[6]   8640     LTrqLOA_X_Kph_u10p6[7]   8774     LTrqLOA_X_Kph_u10p6[7]   8		
TrqLOA_HighSpeedTrqBlend_Y_Uis_u1p15[4]   19661		
TrqLOA_LatAccGain_Y_MirhmpG_u4p12(0)   4096     TrqLOA_LatAccGain_Y_MirhmpG_u4p12(2)   4915     TrqLOA_LatAccGain_Y_MirhmpG_u4p12(2)   8192     TrqLOA_LatAccGain_Y_MirhmpG_u4p12(3)   9011     TrqLOA_LatAccGain_Y_MirhmpG_u4p12(4)   12288     TrqLOA_LatAccGain_Y_MirhmpG_u4p12(5)   13107     TrqLOA_LatAccGain_Y_MirhmpG_u4p12(5)   13384     TrqLOA_LatAccGain_Y_MirhmpG_u4p12(7)   17203     TrqLOA_LatAccGain_Y_MirhmpG_u4p12(7)   17203     TrqLOA_LatAccGain_Y_MirhmpG_u4p12(7)   17203     TrqLOA_TempTrqCmdsatYTb_Mirhm_u4p12(1)   1878     TrqLOA_TempTrqCmdsatYTb_Mirhm_u4p12(2)   16794     TrqLOA_TempTrqCmdsatYTb_Mirhm_u4p12(2)   16794     TrqLOA_TempTrqCmdsatYTb_Mirhm_u4p12(3)   17203     TrqLOA_TempTrqCmdsatYTb_Mirhm_u4p12(3)   17203     TrqLOA_TempTrqCmdsatYTb_Mirhm_u4p12(4)   20070     TrqLOA_TempTrqCmdsatYTb_Mirhm_u4p12(6)   21709     TrqLOA_TempTrqCmdsatYTb_Mirhm_u4p12(6)   24166     TrqLOA_TempTrqCmdsatYTb_Mirhm_u4p12(7)   24986     TrqLOA_TempTrqCmdsatYTb_Mirhm_u4p12(7)   24986     TrqLOA_TempTrqCmdsatYTb_Mirhm_u4p12(7)   8320     TrqLOA_X_Kph_u10p6(1)   8320     TrqLOA_X_Kph_u10p6(1)   8320     TrqLOA_X_Kph_u10p6(3)   8448     TrqLOA_X_Kph_u10p6(3)   8448     TrqLOA_X_Kph_u10p6(3)   8448     TrqLOA_X_Kph_u10p6(6)   8576     TrqLOA_X_Kph_u10p6(6)   8640     TrqLOA_X_Kph_u10p6(6)   8640     TrqLOA_X_Kph_u10p6(6)   8640     TrqLOA_X_Kph_u10p6(7)   8704     TrqLOA_X_		
TrqLOA_LatAccGain_Y_MinmpG_u4p12[1]		
LTrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]   8192   LTrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]   9011   LTrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]   13107   LTrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]   13107   LTrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]   13107   LTrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]   17203   LTrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]   17203   LTrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]   17203   LTrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]   6554   LTrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]   11878   LTrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]   16794   LTrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]   17203   LTrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]   17203   LTrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]   20070   LTrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]   21709   LTrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]   24168   LTrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]   24986   LTrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]   24986   LTrqLOA_X_Kph_u10p6[0]   8266   LTrqLOA_X_Kph_u10p6[0]   8266   LTrqLOA_X_Kph_u10p6[1]   8320   LTrqLOA_X_Kph_u10p6[1]   8320   LTrqLOA_X_Kph_u10p6[1]   8312   LTrqLOA_X_Kph_u10p6[1]   8512   LTrqLOA_X_Kph_u10p6[1]   8512   LTrqLOA_X_Kph_u10p6[1]   8512   LTrqLOA_X_Kph_u10p6[1]   8512   LTrqLOA_X_Kph_u10p6[1]   8512   LTrqLOA_X_Kph_u10p6[1]   8512   LTrqLOA_X_Kph_u10p6[1]   8704   L		
TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]   9011     TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]   12288     TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]   13107     TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]   16384     TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]   17203     TrqLOA_TempTrqCmdsatYTbL_MtrNm_u4p12[7]   1878     TrqLOA_TempTrqCmdsatYTbL_MtrNm_u4p12[7]   1878     TrqLOA_TempTrqCmdsatYTbL_MtrNm_u4p12[7]   1878     TrqLOA_TempTrqCmdsatYTbL_MtrNm_u4p12[8]   16794     TrqLOA_TempTrqCmdsatYTbL_MtrNm_u4p12[8]   20070     TrqLOA_TempTrqCmdsatYTbL_MtrNm_u4p12[6]   21109     TrqLOA_TempTrqCmdsatYTbL_MtrNm_u4p12[6]   2166     TrqLOA_TempTrqCmdsatYTbL_MtrNm_u4p12[7]   24986     TrqLOA_TempTrqCmdsatYTbL_MtrNm_u4p12[7]   24986     TrqLOA_TempTrqCmdsatYTbL_MtrNm_u4p12[7]   24986     TrqLOA_X_Kph_u10p6[0]   8256     TrqLOA_X_Kph_u10p6[1]   8320     TrqLOA_X_Kph_u10p6[3]   8448     TrqLOA_X_Kph_u10p6[3]   8512     TrqLOA_X_Kph_u10p6[3]   8512     TrqLOA_X_Kph_u10p6[6]   8576     TrqLOA_X_Kph_u10p6[6]   8704     TrqLOA_X_Kph_u10p6[7]   8704		
TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]   12288     TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]   13107     TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]   17203     TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]   17203     TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]   17203     TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]   17203     TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]   6554     TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]   11878     TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]   16794     TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]   17203     TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]   20070     TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]   211709     TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]   24166     TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]   24986     TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]   24986     TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]   24986     TrqLOA_X_Kph_u10p6[0]   8256     TrqLOA_X_Kph_u10p6[0]   8256     TrqLOA_X_Kph_u10p6[1]   8320     TrqLOA_X_Kph_u10p6[1]   8320     TrqLOA_X_Kph_u10p6[2]   8344     TrqLOA_X_Kph_u10p6[3]   8448     TrqLOA_X_Kph_u10p6[4]   8512     TrqLOA_X_Kph_u10p6[4]   8512     TrqLOA_X_Kph_u10p6[6]   8640     TrqLOA_X_Kph_u10p6[6]   8640     TrqLOA_X_Kph_u10p6[7]   8704     target_Rte_Inst_Ap_TrqLOA_TrqLOA_Pert_HandwheelAuthority_UIs_f32   target_Rte_Inst_Ap_TrqLOA_TrqLOA_Pert_LatAccetVaild_Cnt_Ugc   target_Rte_Inst_Ap_TrqLOA_TrqLOA_Pert_MotAgLoaNdynte_Fin_Cnt_Ugc   target_Rte_Inst_Ap_TrqLOA_TrqLOA_Pert_MotAgLoaNdynte_Fin_Cnt_Ugc   target_Rte_Inst_Ap_TrqLOA_TrqLOA_Pert_MotAgLoaNdynte_Fin_Cnt_Ugc   target_Rte_Inst_Ap_TrqLOA_TrqLOA_Pert_MotAgLoaNdynte_Fin_Cnt_Ugc   target_TrqLOA_Pert_BitNPOS_H00S_fin_Cnt_Ugc   target_TrqLOA_Pert_BitNPOS_H00S_fin_Cnt_Ugc   target_TrqLOA_Pert_RelHwPos_H00S_fin_Cnt_Ugc   target_TrqLOA_Pert_RelHwPos_H00S_fin_Cnt_Ugc   target_TrqLOA_Pert_TrqLOAACM_MtrNm_fin_Cnt_Ugc   target_TrqLOA_Pert_TrqLOAACM_IntNm_fin_Cnt_Ugc   target_TrqLOA_Pert_TrqLOAACM_IntNm_fin_Cnt_Ugc   target_TrqLOA_Pert_TrqLOAACM_IntNm_fin_Cnt_Ugc   target_TrqLOA_Pert_TrqLOAACM_IntNm_fin_Cnt_Ugc   target_TrqLOA_Pert_TrqLOAACM_IntNm_fin_		
TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]   16384     TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]   17203     TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]   1878     TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]   1878     TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]   16794     TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]   17203     TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]   17203     TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]   20070     TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]   21709     TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]   24166     TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]   24986     TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]   24986     TrqLOA_X_Kph_u10p6[0]   8256     TrqLOA_X_Kph_u10p6[1]   8320     TrqLOA_X_Kph_u10p6[3]   8344     TrqLOA_X_Kph_u10p6[3]   8448     TrqLOA_X_Kph_u10p6[3]   8576     TrqLOA_X_Kph_u10p6[6]   8576     TrqLOA_X_Kph_u10p6[6]   8704     TrqLOA_X_Kph_u10p6[6]   8704     TrqLOA_X_Kph_u10p6[6]   8704     TrqLOA_X_Kph_u10p6[7]   8704     target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_LatAcc_MSecSq_f32   target_TrqLOA_Per1_LatAcc_MSecSq_f32   target_TrqLOA_Per1_MotAqLoaMythEn_Cnt_lgc   target_TrqLOA_Per1_MotAqLoaMythEn_Cnt_lgc   target_TrqLOA_Per1_RotAvall_Cnt_lgc   target_TrqLOA_Per1_RotAvall_Cnt_lgc   target_TrqLOA_Per1_RotAvall_Cnt_lgc   target_TrqLOA_Per1_TrqLOAAvall_Cnt_lgc   target_TrqLOA_Per1_TrqLOAAvall_Cnt_lgc   target_TrqLOA_Per1_TrqLOAAvall_Cnt_lgc   target_TrqLOA_Per1_TrqLOAAvall_Cnt_lgc   target_TrqL		12288
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[6]         8576           t_TrqLOA_X kph_u10p6[6]         8576           t_TrqLOA_X kph_u10p6[6]         8640           t_TrqLOA_X kph_u10p6[6]         8640           t_TrqLOA_X kph_u10p6[7]         8704           target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_HandwheelAuthority_Uis_f32         target_TrqLOA_Per1_HandwheelAuthority_Uis_f32           target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_MtrAccollaid_Cnt_lgc         target_TrqLOA_Per1_LatAccollaid_Cnt_lgc           target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_MtrAccollaid_Cnt_lgc	t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	13107
L_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]         6554           L_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]         11878           L_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]         16794           L_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]         17203           L_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]         20070           L_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]         21709           L_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]         24166           L_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]         24986           L_TrqLOA_X_Kph_u10p6[0]         8256           L_TrqLOA_X_Kph_u10p6[1]         8320           L_TrqLOA_X_Kph_u10p6[2]         8384           L_TrqLOA_X_Kph_u10p6[3]         8448           L_TrqLOA_X_Kph_u10p6[4]         8512           L_TrqLOA_X_Kph_u10p6[5]         8576           L_TrqLOA_X_Kph_u10p6[6]         8640           L_TrqLOA_X_Kph_u10p6[6]         8640           L_TrqLOA_X_Kph_u10p6[7]         870           Larget Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_LatAcc_MpSecSq_f32         target_TrqLOA_Per1_HandwheelAuthority_UIs_f32           target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_LatAccelValid_Cnt_Igc         target_TrqLOA_Per1_MotAgLoaMigInEn_Cnt_Igc           target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32         target_TrqLOA_Per1_MotAgLoaMigInEn_Cnt_Igc           target_Rte	t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	16384
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	17203
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_UIs_f32         target_TrqLOA_Per1_HandwheelAuthority_UIs_f32           target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32         target_TrqLOA_Per1_LatAcc_MpSecSq_f32           target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc         target_TrqLOA_Per1_LatAccelValid_Cnt_lgc           target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32         target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32           target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32         target_TrqLOA_Per1_RelHwPos_HwDeg_f32	t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	6554
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_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[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_LatAccelValid_Cnt_lgc target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_LatAccelValid_Cnt_lgc target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32 target_TrqLOA_Per1_MtrQLOA_Per1_MtrQDA_Per1_MtrQDA_Per1_RelHwPos_HwDog_f32 target_TrqLOA_Per1_MtrQDA_Per1_TrqLOA_Per1_RelHwPos_HwDog_f32 target_TrqLOA_Per1_RelHwPos_HwDog_f32 target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32 target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32 target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32	t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	11878
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_UIs_f32         target_TrqLOA_Per1_HandwheelAuthority_UIs_f32           target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32         target_TrqLOA_Per1_LatAcc_MpSecSq_f32           target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc         target_TrqLOA_Per1_LatAccelValid_Cnt_lgc           target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMignten_Cnt_lgc         target_TrqLOA_Per1_LatAccelValid_Cnt_lgc           target_TrqLOA_Per1_MotAgLoaMignten_Cnt_lgc         target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32           target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32         target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32           target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32         target_	t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	16794
t_TrqLOA_TempTrqCmdSatYTbi_MtrNm_u4p12[6]         21709           t_TrqLOA_TempTrqCmdSatYTbi_MtrNm_u4p12[6]         24166           t_TrqLOA_TempTrqCmdSatYTbi_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[5]         8576           t_TrqLOA_X_Kph_u10p6[6]         8640           t_TrqLOA_X_Kph_u10p6[7]         8704           target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_UIs_f32         target_TrqLOA_Per1_HandwheelAuthority_UIs_f32           target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32         target_TrqLOA_Per1_LatAcc_MpSecSq_f32           target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc         target_TrqLOA_Per1_LatAccelValid_Cnt_lgc           target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc         target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc           target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32         target_TrqLOA_Per1_RelHwPos_HwDeg_f32           target_TrqLOA_Per1_RelHwPos_HwDeg_f32         target_TrqLOA_Per1_RelHwPos_HwDeg_f32           target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32         target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32		
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[5]         8576           t_TrqLOA_X_Kph_u10p6[6]         8640           t_TrqLOA_X_Kph_u10p6[7]         8704           target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_tatAcc_MpSecSq_f32         target_TrqLOA_Per1_tatAcc_MpSecSq_f32           target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_tatAccc_WpSecSq_f32         target_TrqLOA_Per1_tatAcc_WpSecSq_f32           target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_tatAcctivalid_Cnt_lgc         target_TrqLOA_Per1_tatAcccivalid_Cnt_lgc           target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_tatAcctivalid_Cnt_lgc         target_TrqLOA_Per1_tatAcccivalid_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_TrqLOAAvaii_Cnt_lgc         target_TrqLOA_Per1_MtrVelCRF_MtrRadps_f32           target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvaii_Cnt_lgc         target_TrqLOA_Per1_MtrVelCRF_MtrRadps_f32           target_TrqLOA_Per1_Mtr		
t_TrqLOA_TempTrqCmdSatYTbi_MtrNm_u4p12[7]		
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[6] 8640  t_TrqLOA_X_Kph_u10p6[7] 8704  target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_HandwheelAuthority_UIs_f32 target_TrqLOA_Per1_LatAcc_MpSecSq_f32 target_TrqLOA_Per1_LatAcc_MpSecSq_f32 target_TrqLOA_Per1_LatAcc_MpSecSq_f32 target_TrqLOA_Per1_LatAcc_MpSecSq_f32 target_TrqLOA_Per1_LatAcc_MpSecSq_f32 target_TrqLOA_Per1_LatAcc_MpSecSq_f32 target_TrqLOA_Per1_LatAcc_MpSecSq_f32 target_TrqLOA_Per1_LatAcc_MpSecSq_f32 target_TrqLOA_Per1_MpSecSq_f32 target_TrqLOA_Per1_RpSecSq_f32 target_TrqLOA_Per1_		
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_Per1_HandwheelAuthority_UIs_f32 target_Rte_Inst_Ap_TrqLOA_Per1_LatAcc_MpSecSq_f32 target_TrqLOA_Per1_LatAcc_MpSecSq_f32 target_Rte_Inst_Ap_TrqLOA_Per1_LatAcc_Wloa_Cnt_Igc target_Rte_Inst_Ap_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_Igc target_Rte_Inst_Ap_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_Igc target_Rte_Inst_Ap_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_Igc target_Rte_Inst_Ap_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_Igc target_Rte_Inst_Ap_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_Igc target_Rte_Inst_Ap_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_Igc target_Rte_Inst_Ap_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_TrqLOA_Per1_RelHwPos_HwDeg_f32 target_TrqLOA_Per1_RelHwPos_HwDeg_f32 target_TrqLOA_Per1_RelHwPos_HwDeg_f32 target_TrqLOA_Per1_TrqLOAAvail_Cnt_Igc target_TrqLOA_Per1_TrqLOAAvail_Cnt_Igc target_TrqLOA_Per1_TrqLOAAvail_Cnt_Igc target_TrqLOA_Per1_TrqLOAAvail_Cnt_Igc target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32 target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32 target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32		
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_UIs_f32 target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_LatAcc_MpSecSq_f32 target_TrqLOA_Per1_LatAcc_MpSecSq_f32 target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_LatAccelValid_Cnt_lgc target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_RelHwPos_HwDeg_f32 target_TrqLOA_Per1_RelHwPos_HwDeg_f32 target_TrqLOA_Per1_RelHwPos_HwDeg_f32 target_TrqLOA_Per1_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc target_TrqLOA_Per1_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc target_TrqLOA_Per1_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc target_TrqLOA_Per1_TrqLOA.Per1_TrqLOAAvail_Cnt_lgc target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32 target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32		
t_TrqLOA_X_Kph_u10p6[3]		
t_TrqLOA_X_Kph_u10p6[4] 8512  t_TrqLOA_X_Kph_u10p6[5] 8576  t_TrqLOA_X_Kph_u10p6[6] 8640  t_TrqLOA_X_Kph_u10p6[7] 8704  target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_HandwheelAuthority_Uls_f32 target_Rte_Inst_Ap_TrqLOA_Per1_LatAcc_MpSecSq_f32 target_TrqLOA_Per1_LatAcc_MpSecSq_f32 target_Rte_Inst_Ap_TrqLOA_Per1_LatAccelValid_Cnt_lgc target_Rte_Inst_Ap_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc target_Rte_Inst_Ap_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc target_Rte_Inst_Ap_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_TrqLOA_Per1_RelHwPos_HwDeg_f32 target_TrqLOA_Per1_RelHwPos_HwDeg_f32 target_TrqLOA_Per1_RelHwPos_HvDeg_f32 target_TrqLOA_Per1_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc target_Rte_Inst_Ap_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32 target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32		
t_TrqLOA_X_Kph_u10p6[5] 8576  t_TrqLOA_X_Kph_u10p6[6] 8640  t_TrqLOA_X_Kph_u10p6[7] 8704  target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_HandwheelAuthority_Uls_f32 target_Rte_Inst_Ap_TrqLOA_Per1_LatAcc_MpSecSq_f32 target_Rte_Inst_Ap_TrqLOA_Per1_LatAcc_MpSecSq_f32 target_Rte_Inst_Ap_TrqLOA_Per1_LatAccelValid_Cnt_lgc target_Rte_Inst_Ap_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc target_Rte_Inst_Ap_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc target_Rte_Inst_Ap_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_TrqLOA_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_TrqLOA_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc target_Rte_Inst_Ap_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc target_Rte_Inst_Ap_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc target_Rte_Inst_Ap_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32 target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32		
t_TrqLOA_X_kph_u10p6[6] 8640  t_TrqLOA_X_kph_u10p6[7] 8704  target_Rte_Inst_Ap_TrqLOA_Per1_HandwheelAuthority_Uls_f32 target_Rte_Inst_Ap_TrqLOA_Per1_LatAcc_MpSecSq_f32 target_Rte_Inst_Ap_TrqLOA_Per1_LatAcc_MpSecSq_f32 target_Rte_Inst_Ap_TrqLOA_Per1_LatAccelValid_Cnt_lgc target_Rte_Inst_Ap_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc target_Rte_Inst_Ap_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_TrqLOA_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_TrqLOA_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32 target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32		
t_TrqLOA_X_kph_u10p6[7]  target_Rte_Inst_Ap_TrqLOA_Per1_HandwheelAuthority_UIs_f32  target_Rte_Inst_Ap_TrqLOA_Per1_LatAcc_MpSecSq_f32  target_Rte_Inst_Ap_TrqLOA_Per1_LatAcc_MpSecSq_f32  target_Rte_Inst_Ap_TrqLOA_Per1_LatAccelValid_Cnt_lgc  target_Rte_Inst_Ap_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc  target_Rte_Inst_Ap_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32  target_Rte_Inst_Ap_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32  target_Rte_Inst_Ap_TrqLOA_Per1_RelHwPos_HwDeg_f32  target_Rte_Inst_Ap_TrqLOA_Per1_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc  target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc  target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc  target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc  target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc  target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32  target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32		
target_Rte_Inst_Ap_TrqLOA_Per1_HandwheelAuthority_Uls_f32 target_Rte_Inst_Ap_TrqLOA_Per1_LatAcc_MpSecSq_f32 target_Rte_Inst_Ap_TrqLOA_Per1_LatAcc_MpSecSq_f32 target_Rte_Inst_Ap_TrqLOA_Per1_LatAccelValid_Cnt_lgc target_Rte_Inst_Ap_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc target_Rte_Inst_Ap_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_TrqLOA_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32 target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32		
target_Rte_Inst_Ap_TrqLOA_Per1_LatAcc_MpSecSq_f32 target_Rte_Inst_Ap_TrqLOA_Per1_LatAcc_MpSecSq_f32 target_Rte_Inst_Ap_TrqLOA_Per1_LatAccelValid_Cnt_lgc target_Rte_Inst_Ap_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc target_Rte_Inst_Ap_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_TrqLOA_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_TrqLOA_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_TrqLOA_Per1_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc target_Rte_Inst_Ap_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc target_Rte_Inst_Ap_TrqLOA_Per1_TrqLOACmd_MtrNm_f32 target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32		
target_Rte_Inst_Ap_TrqLOA_Per1_LatAccelValid_Cnt_lgc target_Rte_Inst_Ap_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc target_Rte_Inst_Ap_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_TrqLOA_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_TrqLOA_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_TrqLOA_Per1_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc target_Rte_Inst_Ap_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc target_Rte_Inst_Ap_TrqLOA_Per1_TrqLOACmd_MtrNm_f32 target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32		
target_Rte_Inst_Ap_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_TrqLOA_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_TrqLOA_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_TrqLOA_Per1_TrqLOAAvail_Cnt_Igc target_Rte_Inst_Ap_TrqLOA_Per1_TrqLOACmd_MtrNm_f32 target_Rte_Inst_Ap_TrqLOA_Per1_TrqLOACmd_MtrNm_f32 target_Rte_Inst_Ap_TrqLOA_Per1_TrqLOACmd_MtrNm_f32		
target_Rte_Inst_Ap_TrqLOA_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_TrqLOA_Per1_TrqLOAAvail_Cnt_Igc target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32 target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32 target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32 target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_HwDeg_f32
	target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc
target_Rte_Inst_Ap_TrqLOA_Per1_VehicleSpeed_Kph_f32 target_TrqLOA_Per1_VehicleSpeed_Kph_f32		
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value 1	target_IrqLUA_Per1_HandwneelAuthority_Uls_f32.value	





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

Test Step 2.20 (Repeat Count = 1)	
Name	Input Value
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.760919571
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.34999994
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0215000007
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	5.85893965
TrqLOA_TloaCmd_MtrNm_M_f32	0.5
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-0.0278873444
<pre>&lt;_TrqLOA_AbsAssistThreshold_MtrNm_f32</pre>	3.29880762
<pre>x_TrqLOA_AbsVelThreshold_MtrRadpS_f32</pre>	101.334595
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-30.5762386
k TrqLOA DiffScaleRateLimiterRising UlspS f32	49.3492393
k_TrqLOA_FallingRampRate_UlspS_f32	-224.786346
TrqLOA LatAccConversionFactor Uls f32	10
x_TrqLOA_LimOutput_MtrNm_f32	8.21726894
<pre></pre>	0.136131763
k_TrqLOA_MinScaleFactor_Uls_f32	0.551099062
k_TrqLOA_NomDrvTrq_MtrNm_f32	8.80000019
<pre>c</pre>	153.018997
k_TrqLOA_SteerRatio_Uls_f32	46.068264
<pre>&lt;_rrqLOA_UndersteerGrad_RadpG_f32</pre>	0.25
k TrgLOA Wheelbase M f32	14.9741869
2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	12124
12 TrqLOA DiffGainY Uls u1p15[0][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	10158
12_TrqLOA_DiffGainY_Uls_u1p15[1][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	13107
t2_TrqLOA_DiliGain1_Uis_u1p15[1][0] t2_TrqLOA_DiffGainY_Uis_u1p15[2][0]	10158
	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1] t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	12780
	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	10158
2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	12124
2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	
12_TrqLOA_DiffGainY_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_UIs_u1p15[4][3]	13107
2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	10158
2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	12124
2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	12780
2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	13107
2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	10158
2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	10158
2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	12124
2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	13107





Name	Input Value		
t_TrqLOA_DiffGainX_G_u2p14[0]	14090		
t_TrqLOA_DiffGainX_G_u2p14[1]	15073		
t_TrqLOA_DiffGainX_G_u2p14[2]	17039		
t_TrqLOA_DiffGainX_G_u2p14[3]	22938		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	3520		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	3840		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	4160		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	4480		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	4800		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	6554		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	9830		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	13107		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	16384		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	19661		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	20480		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	21299		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	24576		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	25395		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	28672		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	29491		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	32768		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	33587		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	7373		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	13107		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	17613		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	17613		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	20890		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	22528		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	25395		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	25805		
t_TrqLOA_X_Kph_u10p6[0]	8768		
t_TrqLOA_X_Kph_u10p6[1]	8832		
t_TrqLOA_X_Kph_u10p6[2]	8896		
t_TrqLOA_X_Kph_u10p6[3]	8960		
t_TrqLOA_X_Kph_u10p6[4]	9024		
t_TrqLOA_X_Kph_u10p6[5]	9088		
t_TrqLOA_X_Kph_u10p6[6]	9152		
t_TrqLOA_X_Kph_u10p6[7]	9216	al Austrania III II II II	
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_TrqLOA_Per1_LatAccelV		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_Igc target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_Igc	target TrqLOA_Per1_LatAccerv		
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 TrgLOA Per1 TrgLOAC		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc	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	0.112473726	λεευ_τφιι_102	
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	5.86611271		
target TrqLOA Per1 LatAccelValid Cnt Igc.value	0		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-1922.651		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	669.627136		
target TrqLOA Per1 VehicleSpeedValid Cnt Igc.value	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	86.8814697		
Name	Actual Value	Expected Value	Result
TrgLOA LatAccScaleFactor Uls M f32	0.699767113	0.699767113	Nesult
TrqLOA_LatAccelSV_g_M_Str.SV_UIs_f32	0.353336662	0.353336662 ± 0.01	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0.555550002	0.555550002 ± 0.01	
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	
TrqLOA_rigasedScaleFactor Uls M f32	0.278150678	0.278150648 ± 0.01	
		0.270130048 1 0.01	
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0		

Test Step 2.21 (Repeat Count = 1)		<b>✓</b>
Name	Input Value	
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA	
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.458414435	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.400000006	
TrgLOA LatAccelSV g M Str.K Uls f32	0.0219999999	

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TrqLOA\_Per1



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

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Name	Input Value		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	18432		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	18022		
t TrqLOA TempTrqCmdSatYTbl MtrNm u4p12[4]	21709		
t TrqLOA TempTrqCmdSatYTbl MtrNm u4p12[5]	23347		
t TrqLOA TempTrqCmdSatYTbl MtrNm u4p12[6]	26624		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	26624		
t_TrqLOA_X_Kph_u10p6[0]	9280		
t_TrqLOA_X_Kph_u10p6[1]	9344		
t_TrqLOA_X_Kph_u10p6[2]	9408		
t_TrqLOA_X_Kph_u10p6[3]	9472		
t_TrqLOA_X_Kph_u10p6[4]	9536		
t_TrqLOA_X_Kph_u10p6[5]	9600		
t_TrqLOA_X_Kph_u10p6[6]	9664		
t_TrqLOA_X_Kph_u10p6[7]	9728		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAut	hority_Uls_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSec	cSq_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelValid_	Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMtgt	nEn_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_Mt	trRadpS_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_Hw	/Deg_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc	target_TrqLOA_Per1_TrqLOAAvail_0	Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_M	/trNm_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	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_Igc.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

 $target\_TrqLOA\_Per1\_TrqLOAAvail\_Cnt\_lgc.value$ 

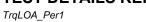
target\_TrqLOA\_Per1\_TrqLOACmd\_MtrNm\_f32.value





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][2]	21299
t2_TrqLOA_DiffGainY_UIs_u1p15[7][3]	26214
t TrqLOA DiffGainX G u2p14[0]	17695
t_TrqLOA_DiffGainX_G_u2p14[1]	18678
t_TrqLOA_DiffGainX_G_u2p14[2]	21299
t_TrqLOA_DiffGainX_G_u2p14[3]	29491
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	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

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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	<b>✓</b>
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	<b>✓</b>
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	✓
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-1.65284061	-1.65284073 ± 0.01	<b>✓</b>
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	✓
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0	0 ± 0.01	<b>✓</b>

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>&lt;_TrqLOA_AbsAssistThreshold_MtrNm_f32</pre>	4.51600885	
<pre>&lt;_TrqLOA_AbsVelThreshold_MtrRadpS_f32</pre>	995.283386	
<pre>&lt;_rrqLOA_DiffScaleRateLimiterFalling_UlspS_f32</pre>	-71.562912	
<pre>&lt;_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32</pre>	15.5903111	
TrqLOA FallingRampRate UlspS f32	-878.925293	
<pre>&lt;_TrqLOA_LatAccConversionFactor_Uls_f32</pre>	0.70839566	
<pre>&lt;_rrqLOA_LimOutput_MtrNm_f32</pre>	8.80000019	
<pre>&lt;_TrqLOA_MaxScaleFactor_Uls_f32</pre>	0.113850713	
<pre>&lt;_frqLOA_MinScaleFactor_Uls_f32</pre>	0.382634044	
<pre>&lt;_TrqLOA_NomDrvTrq_MtrNm_f32</pre>	0.203266919	
TrqLOA RisingRampRate UlspS f32	770.529968	
<pre>&lt;_TrqLOA_SteerRatio_Uls_f32</pre>	6.2688899	
<pre>&lt;_frqLOA_UndersteerGrad_RadpG_f32</pre>	0.0393150002	
<pre>&lt;_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	

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TrqLOA\_Per1



2. Traj CAD, DRISamY, S. L. (19149)   228	Name	Input Value	
LimploD, Diffication, C. 926149    1229   2498	t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	6226	
T.		328	
TreLoA   Diffeamor   C   224143    TreLoA   Harisbeed Filiation   X   Fin.   1060    S20   TreLoA   Harisbeed Filiation   X   Fin.   1060    TreLoA   Harisbeed Filiation   X   Fin.   1060    TreLoA   Harisbeed Filiation   X   Fin.   1060    TreLoA   Larkoca   X   Markingo   404121   S20   S20   TreLoA   Trel	t_TrqLOA_DiffGainX_G_u2p14[1]	1229	
TrickOA HighSpeedTriglend X KPL v10x810    9840		2458	
Trat OA HighSpeedTraglemax   X (sh. u1068)   1   860   1   1   1   1   1   1   1   1   1	t_TrqLOA_DiffGainX_G_u2p14[3]	3113	
Linck A. Highspeed (Traillend, X. Ken.   United   9200    -Linck O. A. Highspeed (Traillend, X. Ken.   United   9200    -Linck O. A. Highspeed (Traillend, X. Ken.   United   9200    -Linck O. A. Highspeed (Traillend, Y. Us.   United   9200    -Linck O. A. Highspeed (Traillend, Y. Us.   United   9200    -Linck O. A. Highspeed (Traillend, Y. Us.   United   9200    -Linck O. A. Highspeed (Traillend, Y. Us.   United   9200    -Linck O. A. Highspeed (Traillend, Y. Us.   United   9200    -Linck O. A. Highspeed (Traillend, Y. Us.   United   9200    -Linck O. A. Highspeed (Traillend, Y. Us.   United   9200    -Linck O. A. Highspeed (Traillend, Y. Us.   United   9200    -Linck O. A. Lanckson, Y. Mithingo, United   9200    -Linck O. La	t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	8320	
Trqu CA, HarisSpeedTrigelear, X, Kein, u1908	t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	8640	
Linck OA, HighSpeedTrigBlend V, Us, ut p15(9)	t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	8960	
CTrqLOA_HighSpeedTroBlend_Y_Us_urlp18[1]	t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	9280	
LimpLoA HighSpeedTrigillend Y_UB_utr15[3]   9830	t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	9600	
LTRUCO A. HighSpeedTraglend Y. Uis. urjo15(2)   13107   1704 A. HighSpeedTraglend Y. Uis. urjo15(3)   16394   1704 A. HighSpeedTraglend Y. Uis. urjo15(3)   16901   1704 A. HighSpeedTraglend Y. Uis. urjo15(3)   4096   409	t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	6554	
LTRQLOA_HiphSpeedTroBlend_Y_U_B	t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	9830	
LTrqLOA_Larbaccoan_Y_MinhmpG_ushp12()	t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	13107	
LTRICO AL Larkcocian Y_MinhingG_u4p12[]	t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	16384	
TrqLOA_LatAccGain_Y_MirkmpG_u4p12[7]   4916	t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	19661	
TrqLOA_LatAccGain_Y_MithYmpG_u4p12 2    8192	t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	4096	
TrqLOA_LatAccGain_Y_MithingG_u4p12[4]   12288   12288   1274LOA_LatAccGain_Y_MithingG_u4p12[6]   15394   12288   1274LOA_LatAccGain_Y_MithingG_u4p12[6]   15394   15	t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	4915	
TrqLOA_LakAccGain_Y_MirringC_u4p12[4]   12288   13107   1710_LakAccGain_Y_MirringC_u4p12[5]   13107   1334   1710_LakAccGain_Y_MirringC_u4p12[7]   17203   17203   17203   17203   17203   17203   17203   17204   17205   17203   17203   17204   17205   1	t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	8192	
TrqLOA_LatAccGain_Y_MirningC_u4p12[5]   13107   17203   15384   1710A_LatAccGain_Y_MirningC_u4p12[6]   15384   17203   15384   17203	t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	9011	
TrqLOA _ LatAccGain _ Y_MtrNmpG _ u4p12[6]   18384   17203   17203   17203   17203   17203   17203   17203   17203   17203   17204	t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	12288	
TrqLOA _ LatAccGain_Y_MtrNmpG_u4p12[7]   17203   17203   17204   Temptrac-mostart Tol_MtrNn_u4p12[0]   9830   17204	t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	13107	
TrqLOA_TempTrqCmdSaYTb _MtNm_u4p12[1]   16794	t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	16384	
TrqLOA_TempTrqCmdSaYTDL_MtrNm_u4p12[1]   16794	t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	17203	
TrqLOA_TempTrqCmdSaYTbl_MtnNm_u4p12[2]   20070   18842   1774LOA_TempTrqCmdSaYTbl_MtnNm_u4p12[3]   18842   1	t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	9830	
TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]   18842     TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]   23347     TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]   24986     TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]   29082     TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]   28262     TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]   28262     TrqLOA_X [Abp_u10p6[1]   10308     TrqLOA_X [Abp_u10p6[1]   10388     TrqLOA_X [Abp_u10p6[2]   10432     TrqLOA_X [Abp_u10p6[3]   10496     TrqLOA_X [Abp_u10p6[3]   10560     TrqLOA_X [Abp_u10p6[6]   10664     TrqLOA_X [Abp_u10p6[6]   10664     TrqLOA_X [Abp_u10p6[6]   10688     TrqLOA_X [Abp_u10p6[7]   10752     target_Rel_Inst_Ap_TrqLOA_TrqLOA_Per1_HandwheelAuthority_Uls_[32]     target_Rel_Inst_Ap_TrqLOA_TrqLOA_Per1_LatAcce_WiseSa_[32]   target_TrqLOA_Per1_LatAcce_WiseSa_[32]     target_Rel_Inst_Ap_TrqLOA_TrqLOA_Per1_LatAcce_WiseSa_[32]   target_TrqLOA_Per1_LatAcce_WiseSa_[32]     target_Rel_Inst_Ap_TrqLOA_TrqLOA_Per1_LatAcce_WiseSa_[32]   target_TrqLOA_Per1_LatAcce_WiseSa_[32]   target_TrqLOA_Per1_LatAcce_WiseSa_[32]   target_TrqLOA_Per1_LatAcce_WiseSa_[32]   target_TrqLOA_Per1_LatAcce_WiseSa_[32]   target_TrqLOA_Per1_LatAcce_WiseSa_[32]   target_TrqLOA_Per1_LatAcce_WiseSa_[32]   target_TrqLOA_Per1_LatAcce_WiseSa_[32]   target_TrqLOA_Per1_LatAcce_WiseSa_[32]   target_TrqLOA_Per1_LatAcce_WiseSa_[32]   target_TrqLOA_Per1_TrqLOA_Per1_Monty_LoA_Per1_RatAcce_WiseSa_[32]   target_TrqLOA_Per1_TrqLOA_Per1_Monty_LoA_Per1_TrqLOA_Per1_VehicleSpeed_Mpl_TrgL_TrqLOA_Per1_VehicleSpeed_Mpl_TrgL_TrqLOA_Per1_VehicleSpeed_Mpl_TrgL_TrqLOA_Per1_VehicleSpeed_Mpl	t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	16794	
TrqLOA_TempTrqCmdSatYTb_MtrNm_u4p12[4]   23347     LTrqLOA_TempTrqCmdSatYTb_MtrNm_u4p12[5]   24966     LTrqLOA_TempTrqCmdSatYTb_MtrNm_u4p12[6]   29082     LTrqLOA_TempTrqCmdSatYTb_MtrNm_u4p12[7]   26262     LTrqLOA_TempTrqCmdSatYTb_MtrNm_u4p12[7]   26262     LTrqLOA_X_Kph_u10p6[0]   10304     LTrqLOA_X_Kph_u10p6[1]   10368     LTrqLOA_X_Kph_u10p6[1]   10496     LTrqLOA_X_Kph_u10p6[3]   10496     LTrqLOA_X_Kph_u10p6[3]   10496     LTrqLOA_X_Kph_u10p6[4]   10560     LTrqLOA_X_Kph_u10p6[6]   10688     LTrqLOA_X_Kph_u10p6[7]   10752	t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	20070	
TrqLOA_TempTrqCmdSatYTb _MtrNm_u4p12[5]   24986     TrqLOA_TempTrqCmdSatYTb _MtrNm_u4p12[6]   29092     TrqLOA_TempTrqCmdSatYTb _MtrNm_u4p12[7]   28262     TrqLOA_X_Kph_u10p6[0]   10304     TrqLOA_X_Kph_u10p6[1]   10368     TrqLOA_X_Kph_u10p6[3]   10496     TrqLOA_X_Kph_u10p6[3]   10496     TrqLOA_X_Kph_u10p6[3]   10496     TrqLOA_X_Kph_u10p6[6]   10560     TrqLOA_X_Kph_u10p6[6]   10560     TrqLOA_X_Kph_u10p6[6]   10688     TrqLOA_X_Kph_u10p6[7]   10752     TrqLOA_X_Kph_u10p6	t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	18842	
TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]   29082	t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	23347	
t_TrqLOA_TempTrqCmdSatYTb_MtrNm_u4p12[7]         28262           t_TrqLOA_X_Kph_u10p6[0]         10304           t_TrqLOA_X_Kph_u10p6[1]         10388           t_TrqLOA_X_Kph_u10p6[2]         10492           t_TrqLOA_X_Kph_u10p6[3]         10496           t_TrqLOA_X_Kph_u10p6[5]         106624           t_TrqLOA_X_Kph_u10p6[6]         10688           t_TrqLOA_X_Kph_u10p6[7]         10752           target_Rel_inst_Ap_TrqLOA_TrqLOA_Per1_HandwheelAuthority_Uls f32         target_TrqLOA_Per1_HandwheelAuthority_Uls f32           target_Rel_inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32         target_TrqLOA_Per1_LatAcc_WpSecSq_f32           target_Rel_inst_Ap_TrqLOA.TrqLOA_Per1_MolAgLoaMtghEn_Cnt_igc         target_TrqLOA_Per1_LatAccelValid_Cnt_igc           target_Rel_inst_Ap_TrqLOA.TrqLOA_Per1_MolAgLoaMtghEn_Cnt_igc         target_TrqLOA_Per1_MolAgLoaMtghEn_Cnt_igc           target_Rel_inst_Ap_TrqLOA.TrqLOA_Per1_MtrVeiCRF_MtrRadpS_f32         target_TrqLOA_Per1_MolAgLoaMtgnEn_Cnt_igc           target_Rel_inst_Ap_TrqLOA.TrqLOA_Per1_MtrNeiCRF_MtrRadpS_f32         target_TrqLOA_Per1_Mell-WpS_HWbeg_f32           target_Rel_inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt.igc         target_TrqLOA_Per1_TrqLOAAvail_Cnt.igc           target_Rel_inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACM_MtrNm_f32         target_TrqLOA_Per1_TrqLOACM_MtrNm_f32           target_Rel_inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32         target_TrqLOA_Per1_VehicleSpeed_Kph_	t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	24986	
TrqLOA_X_Kph_u10p6[0]	t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	29082	
TrqLOA_X_Kph_u10p6[1]	t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	28262	
t_TrqLOA_X_Kpn_u10p6[2]         10432           t_TrqLOA_X_kpn_u10p6[3]         10496           t_TrqLOA_X_kpn_u10p6[4]         10560           t_TrqLOA_X_kpn_u10p6[5]         10624           t_TrqLOA_X_kpn_u10p6[6]         10688           t_TrqLOA_X_kpn_u10p6[7]         10752           target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_LatAcc_MpsecSq_f32         target_TrqLOA_Per1_LatAcc_MpsecSq_f32           target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcceValid_Cnt_lgc         target_TrqLOA_Per1_LatAcceValid_Cnt_lgc           target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MitrRedpS_f32         target_TrqLOA_Per1_MitrRedpS_f32           target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MitrRedpS_f32         target_TrqLOA_Per1_MitrRedpS_f32           target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MitrRedpS_f32         target_TrqLOA_Per1_MitrRedpS_f32           target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAxial_Cnt_lgc         target_TrqLOA_Per1_MitrRedpS_f32           target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAxial_Cnt_lgc         target_TrqLOA_Per1_TrqLOAAxial_Cnt_lgc           target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACAM_MitrNm_f32         target_TrqLOA_Per1_TrqLOAAxial_Cnt_lgc           target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed Kph_f32         target_TrqLOA_Per1_VehicleSpeed Kph_f32           target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value         1           target_TrqLOA_Per1_MotApLoaMignten_Cnt_lgc.value         1           target_T	t_TrqLOA_X_Kph_u10p6[0]	10304	
t_TrqLOA_X kph_u10p6[3]         10496           t_TrqLOA_X kph_u10p6[4]         10550           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_LatAcce_MpSecSq_f32         target_TrqLOA_Per1_LatAcce_MpSecSq_f32           target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_LatAcce_MpSecSq_f32         target_TrqLOA_Per1_LatAcce_WpSecSq_f32           target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_Mack_Combgten_Cnt_lgc         target_TrqLOA_Per1_LatAcce_WpSecSq_f32           target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_MolAgLoaMtgtnEn_Cnt_lgc         target_TrqLOA_Per1_MolAgLoaMtgtnEn_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_MtrVelCRF_MtrRadpS_f32         target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32           target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc         target_TrqLOA_Per1_RelHwPos_HwDeg_f32           target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc         target_TrqLOA_Per1_TrqLOACM_MtrNm_f32           target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc         target_TrqLOA_Per1_TrqLOACM_MtrNm_f32           target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value         1           target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value         3.53119206           target_Trq	t_TrqLOA_X_Kph_u10p6[1]	10368	
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_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc target_TrqLOA_Per1_MotAgloaMtgtnEn_Cnt_lgc target_TrqLOA_Per1_MotAgloaMtgtnEn_Cnt_lgc target_TrqLOA_Per1_MotAgloaMtgtnEn_Cnt_lgc target_TrqLOA_Per1_MotAgloaMtgtnEn_Cnt_lgc target_TrqLOA_Per1_MotAgloaMtgtnEn_Cnt_lgc target_TrqLOA_Per1_MotAgloaMtgtnEn_Cnt_lgc target_TrqLOA_Per1_RelHwPos_HwDeg_f32 target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32 target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32 target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc target_TrqLOA_Per1_VehicleSpeedKph_f32 target_TrqLOA_Per1_VehicleSpeedKph_f32 target_TrqLOA_Per1_VehicleSpeedKph_f32 target_TrqLOA_Per1_VehicleSpeedKph_f32 target_TrqLOA_Per1_VehicleSpeedKph_f32 target_TrqLOA_Per1_VehicleSpeedKph_f32 target_TrqLOA_Per1_VehicleSpeedKph_f32 target_TrqLOA_Per1_VehicleSpeedKph_f32 target_TrqLOA_Per1_MotAgloaMtgtnEn_Cnt_lgc.value 0 target_TrqLOA_Per1_MotAgloaMtgtnEn_Cnt_lgc.value 1 target_TrqLOA_Per1_MotAgloaMtgtnEn_Cnt_lgc.value 1 562.210022 target_TrqLOA_Per1_VehicleSpeedKph_f32.value 1 57.788849	t_TrqLOA_X_Kph_u10p6[2]	10432	
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 1arget_TrqLOA_Per1_HandwheelAuthority_Uls_f32 1arget_Rte_Inst_Ap_TrqLOA,TrqLOA_Per1_LatAcc_MpSecSq_f32 1arget_TrqLOA_Per1_LatAcc_WpSecSq_f32 1arget_Rte_Inst_Ap_TrqLOA,TrqLOA_Per1_LatAccelValid_Cnt_lgc 1arget_Rte_Inst_Ap_TrqLOA,TrqLOA_Per1_LatAccelValid_Cnt_lgc 1arget_Rte_Inst_Ap_TrqLOA,TrqLOA_Per1_MotAgLoaMtghten_Cnt_lgc 1arget_Rte_Inst_Ap_TrqLOA,TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32 1arget_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32 1arget_Rte_Inst_Ap_TrqLOA,TrqLOA_Per1_RelHwPos_HwDeg_f32 1arget_Rte_Inst_Ap_TrqLOA,TrqLOA_Per1_RelHwPos_HwDeg_f32 1arget_Rte_Inst_Ap_TrqLOA,TrqLOA_Per1_TrqLOAAvail_Cnt_lgc 1arget_Rte_Inst_Ap_TrqLOA,TrqLOA_Per1_TrqLOAAvail_Cnt_lgc 1arget_Rte_Inst_Ap_TrqLOA,TrqLOA_Per1_TrqLOACmd_MtrNm_f32 1arget_Rte_Inst_Ap_TrqLOA,TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc 1arget_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc 1arget_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc 1arget_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc 1arget_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value 11arget_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value 11arget_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value 11arget_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value 11arget_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value 11arget_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value 11arget_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value 11arget_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value 11arget_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value 11arget_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value 11arget_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value 11arget_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value 11arget_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value 11arget_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value 11arget_TrqLOA_Per1_VehicleSpeed_Kph_f32.value 14arget_TrqLOA_Per1_VehicleSpeed_Kph_f32.value 14arget_TrqLOA_Per1_VehicleSpeed_Kph_f32.value 14arget_TrqLOA_Per1_VehicleSpeed_Kph_f32.value 14arget_TrqLOA_Per1_VehicleSpeed_Kph_f32.value 14arget_TrqLOA_Per1_VehicleSpeed_Kph_f32.val	t_TrqLOA_X_Kph_u10p6[3]	10496	
t_TrqLOA_X_Kph_u10p6[6] 10688  t_TrqLOA_X_Kph_u10p6[7] 10752  target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_HandwheelAuthority_Uis_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_LatAccelValid_Cnt_lgc 1arget_TrqLOA_Per1_LatAccelValid_Cnt_lgc 1arget_TrqLOA_Per1_MotAgLoaMtgnEn_Cnt_lgc 1arget_TrqLOA_PrqLOA_TrqLOA_Per1_MotAgLoaMtgnEn_Cnt_lgc 1arget_TrqLOA_PrqLOA_TrqLOA_Per1_MotAgLoaMtgnEn_Cnt_lgc 1arget_TrqLOA_Per1_MotAgLoaMtgnEn_Cnt_lgc 1arget_TrqLOA_Per1_MotAgLoaMtgnEn_Cnt_lgc 1arget_TrqLOA_Per1_MotAgLoaMtgnEn_Cnt_lgc 1arget_TrqLOA_Per1_MotAgLoaMtgnEn_Cnt_lgc 1arget_TrqLOA_Per1_MotAgLoaMtgnEn_Cnt_lgc 1arget_TrqLOA_Per1_MotAgLoaMtgnEn_Cnt_lgc 1arget_TrqLOA_Per1_MotAgLoaMtgnEn_Cnt_lgc 1arget_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc 1arget_TrqLOA_Per1_NotAgloaMtgnEn_Cnt_lgc 1arget_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc 1arget_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc 1arget_TrqLOA_Per1_TrqLOACvail_Cnt_lgc 1arget_TrqLOA_Per1_NotAgloaMtgnEn_Cnt_lgc 1arget_TrqLOA_Per1_NotAgloaMtgnNm_f32 1arget_TrqLOA_Per1_NotAgloaMtgnNm_f32 1arget_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc 1arget_TrqLOA_Per1_VehicleSpeed_Kph_f32 1arget_TrqLOA_Per1_VehicleSpeed_Kph_f32 1arget_TrqLOA_Per1_VehicleSpeed_Kph_f32 1arget_TrqLOA_Per1_VehicleSpeed_Kph_f32 1arget_TrqLOA_Per1_LatAcc_WpSecSq_f32.value 1arget_TrqLOA_Per1_LatAcc_WpSecSq_f32.value 1arget_TrqLOA_Per1_MotAgloaMtgnEn_Cnt_lgc.value 10 1arget_TrqLOA_Per1_MotAgloaMtgnEn_Cnt_lgc.value 1arget_TrqLOA_Per1_MotAgloaMtgnEn_Cnt_lgc.value 1arget_TrqLOA_Per1_MotAgloaMtgnEn_Cnt_lgc.value 1arget_TrqLOA_Per1_VehicleSpeed_Kph_f32.value 1arget_TrqLOA_Per1_VehicleSpeed_Kph_f32.value 1arget_TrqLOA_Per1_VehicleSpeed_Kph_f32.value 1arget_TrqLOA_Per1_VehicleSpeed_Kph_f32.value 1arget_TrqLOA_Per1_VehicleSpeed_Kph_f32.value 1arget_TrqLOA_Per1_VehicleSpeed_Kph_f32.value 1arget_TrqLOA_Per1_VehicleSpeed_Kph_f32.value 1arget_TrqLOA_Per1_VehicleSpeed_Kph_f32.value 1arget_TrqLOA_Per1_VehicleS	t_TrqLOA_X_Kph_u10p6[4]	10560	
t_TrqLOA_X_Kph_u10p6f7] 10752  target_Rte_Inst_Ap_TrqLOA.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_MotAgLoaMtghEn_Cnt_Igc target_TrqLOA_Per1_MotAgLoaMtghEn_Cnt_Igc target_TrqLOA_Per1_MotAgLoaMtghEn_Cnt_Igc target_TrqLOA_Per1_MotAgLoaMtghEn_Cnt_Igc target_TrqLOA_Per1_MotAgLoaMtghEn_Cnt_Igc target_TrqLOA_Per1_MotAgLoaMtghEn_Cnt_Igc target_TrqLOA_Per1_MotAgLoaMtghEn_Cnt_Igc target_TrqLOA_Per1_MotAgLoaMtghEn_Cnt_Igc target_TrqLOA_Per1_MotAgLoaMtghEn_Cnt_Igc target_TrqLOA_Per1_RellHwPos_HwDeg_f32 target_TrqLOA_Per1_RellHwPos_HwDeg_f32 target_TrqLOA_Per1_RellHwPos_HwDeg_f32 target_TrqLOA_Per1_RellHwPos_HwDeg_f32 target_TrqLOA_Per1_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32 target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32 target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32 target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32 target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32 target_TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc target_TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value 1 target_TrqLOA_Per1_LatAcce_MpSecSq_f32 value 3.53119206 target_TrqLOA_Per1_LatAccelValid_Cnt_Igc.value 1 target_TrqLOA_Per1_MotAgLoaMtghEn_Cnt_Igc.value 2000 target_TrqLOA_Per1_MotAgLoaMtghEn_Cnt_Igc.value 562.210022 target_TrqLOA_Per1_VehicleSpeed_Iph_f32.value 197.788849	t_TrqLOA_X_Kph_u10p6[5]	10624	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32 target_TrqLOA_Per1_LatAcc_MpSecSq_f32 target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32 target_TrqLOA_Per1_LatAcc_MpSecSq_f32 target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtghtEn_Cnt_Igc target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtghtEn_Cnt_Igc target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtghtEn_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_RelHwPos_HwDeg_f32 target_TrqLOA_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOA/MitlMtrM_f32 target_TrqLOA_Per1_TrqLOA/MitlMtrM_f32 target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOA/MitlMtrMm_f32 target_TrqLOA_Per1_TrqLOA/MitlMtrMm_f32 target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc target_TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value 1 target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value 1 target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value 2 3.53119206 target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value 2 1 target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value 2 1 target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value 2 2000 target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value 2 2000 target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value 2 2000 target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value 2 2000 target_TrqLOA_Per1_Vehi	t_TrqLOA_X_Kph_u10p6[6]	10688	
target_Rte_Inst_Ap_TrqLOA_Per1_LatAcc_MpSecSq_f32 target_Rte_Inst_Ap_TrqLOA_Per1_LatAccelValid_Cnt_Igc target_Rte_Inst_Ap_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_Igc target_Rte_Inst_Ap_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_TrqLOA_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_TrqLOA_Per1_TrqLOA_Per1_TrqLOAvail_Cnt_Igc target_Rte_Inst_Ap_TrqLOA_Per1_TrqLOAVail_Cnt_Igc target_Rte_Inst_Ap_TrqLOA_Per1_TrqLOAVail_Cnt_Igc target_Rte_Inst_Ap_TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc target_TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc target_TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc target_TrqLOA_Per1_VehicleSpeedKph_f32 target_TrqLOA_Per1_VehicleSpeed_Kph_f32 target_TrqLOA_Per1_LatAcc_MpSecSq_f32_value 1 target_TrqLOA_Per1_LatAcc_MpSecSq_f32_value 1 target_TrqLOA_Per1_LatAcc_MpSecSq_f32_value 1 target_TrqLOA_Per1_LatAccelValid_Cnt_Igc.value 1 target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_Igc.value 1 target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_Igc.value 1 target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value 2000 target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value 5562.210022 target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value 1 target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value 1 target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	t_TrqLOA_X_Kph_u10p6[7]	10752	
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_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_Igc target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACvend_MtrNvm_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_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_Igc.value target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_Igc.value target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value 10 target_TrqLOA_Per1_NtrVelCRF_MtrRadpS_f32.value 10 target_TrqLOA_Per1_NtrVelCRF_MtrRadpS_f32.value 10 target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value 10 target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value 10 target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value 10 target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value 10 target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value 11 target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value 12 target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value 13 target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value 14 target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value 15 target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value 15 target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value 15 target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value 15 target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value 15 target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32	
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target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value -562.210022 target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value 0 target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value 197.788849	target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc.value 0 target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value 197.788849			
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value 197.788849	target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value		
	target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value		
Name Actual Value Expected Value Resu	target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	197.788849	
7.0000 70.00	Name	Actual Value Expected Value	Result

TrqLOA\_LatAccScaleFactor\_Uls\_M

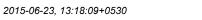
2015-06-23, 13:18:09+0530

TrqLOA\_Per1



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
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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

TrqLOA\_Per1





Name	Input Value		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	18022		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	20890		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	19251		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	24166		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	25805		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	30310		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	29082		
t_TrqLOA_X_Kph_u10p6[0]	10816		
t_TrqLOA_X_Kph_u10p6[1]	10880		
t_TrqLOA_X_Kph_u10p6[2]	10944		
t_TrqLOA_X_Kph_u10p6[3]	11008		
t_TrqLOA_X_Kph_u10p6[4]	11072		
t_TrqLOA_X_Kph_u10p6[5]	11136		
t_TrqLOA_X_Kph_u10p6[6]	11200		
t_TrqLOA_X_Kph_u10p6[7]	11264		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAu	thority_Uls_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSe	ecSq_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_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	ftrRadpS_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_H	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_VehicleSpeed	Valid_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	3.82478905		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	1326.5		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	463.004272		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	260.155029		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.0725448355	0.0725448355	~
TrqLOA_LatAccelSV_g_M_Str.SV_UIs_f32	0.546331227	0.546331227 ± 0.01	~
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	~
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	~
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.359750509	0.359750509 ± 0.01	~
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	~
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0	0 ± 0.01	<b>✓</b>

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

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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_Uls_u1p15[3][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	10158
t2_TrqLOA_DiffGainY_UIs_u1p15[4][1]	12124 12780
t2_TrqLOA_DiffGainY_Uls_u1p15[4][2] t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	13107
t2_TrqLOA_DiliGainY_Uls_u1p15[4][3]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	10158
t2_TrqLOA_DiffGainY_UIs_u1p15[6][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	12780
t2_TrqLOA_DiffGainY_UIs_u1p15[7][3]	13107
t_TrqLOA_DiffGainX_G_u2p14[0]	5079
t_TrqLOA_DiffGainX_G_u2p14[1]	6062
t_TrqLOA_DiffGainX_G_u2p14[2]	6390
t_TrqLOA_DiffGainX_G_u2p14[3]	6554
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	11520
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	11840
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	12160
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	12480
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	12800
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	6554
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3] t TrqLOA HighSpeedTrqBlend Y Uls u1p15[4]	16384 19661
t_TrqLOA_nigrispeed riqbierid_r_ois_u1p15[4]	36864
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	37683
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	40960
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	41779
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	45056
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	45875
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	49152
t TrqLOA LatAccGain Y MtrNmpG u4p12[7]	49971
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	11469
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	19251
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	21709
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	19661
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	24986
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	26624
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	31539
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	29901
t_TrqLOA_X_Kph_u10p6[0]	11328
t_TrqLOA_X_Kph_u10p6[1]	11392
t_TrqLOA_X_Kph_u10p6[2]	11456
t_TrqLOA_X_Kph_u10p6[3]	11520
t_TrqLOA_X_Kph_u10p6[4]	11584
t_TrqLOA_X_Kph_u10p6[5]	11648
t_TrqLOA_X_Kph_u10p6[6]	11712
t_TrqLOA_X_Kph_u10p6[7]	11776
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecSq_f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_Igc	target_TrqLOA_Per1_LatAccelValid_Cnt_lgc
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_Igc target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc
	target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32
	target Trol OA Per1 RelHwPos HwDeg f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_HwDeg_f32
	target_TrqLOA_Per1_RelHwPos_HwDeg_f32 target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32





Name	Input Value		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleS	peed_Kph_f32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0.107009053		
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		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	799.100525		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	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	<b>✓</b>
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	<b>✓</b>
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	
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	7.05715561	
k TrgLOA AbsVelThreshold MtrRadpS f32	691.984741	
k TrgLOA DiffScaleRateLimiterFalling UlspS f32	-60.6408615	
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	65.9121246	
k TrgLOA FallingRampRate UlspS f32	-415.079132	
k_TrqLOA_LatAccConversionFactor_Uls_f32	10	
k_TrqLOA_LimOutput_MtrNm_f32	7.91076517	
k_TrqLOA_MaxScaleFactor_Uls_f32	1	
k_TrqLOA_MinScaleFactor_Uls_f32	1	
k_TrqLOA_NomDrvTrq_MtrNm_f32	1.98730361	
k_TrqLOA_NormDrVrq_withMi_i32	50.6216545	
k_TrqLOA_SteerRatio_Uls_f32	92.4181595	
k_TrqLOA_0tccrNatio_0is_f32	0.25	
k_TrqLOA_Wheelbase_M_f32	17.4362545	
t2_TrqLOA_Witcelbase_W_l02 t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	13763	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	15729	
t2_rrqLOA_biffGainY_Uls_u1p15[0][2]	17039	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	19661	
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	13763	
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	15729	
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	17039	
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	19661	
t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	13763	
t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	15729	
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	17039	
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	19661	
	13763	
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0] t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	15729	
	17039	
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2] t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	19661	
	13763	
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	15729	
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	17039	
t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	19661	
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	13763	
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	15703	
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	17039	
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	19661	
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	13763	
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0] t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	15729	
	17039	
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	19661	
12_TrqLOA_DiffGainY_Uls_u1p15[7][0]	13763	
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]  © Report created by TESSY V3.2.5, report template V2.4	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	<del>_</del>	
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)	<b>✓</b>
Name	Input Value
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.70748055

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TrqLOA\_Per1



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	1
k_TrqLOA_NomDrvTrq_MtrNm_f32	8.71038914
k_TrqLOA_RisingRampRate_UlspS_f32	274.445343
	69.0654144
k_TrqLOA_SteerRatio_UIs_f32	
k_TrqLOA_UndersteerGrad_RadpG_f32	0.25
k_TrqLOA_Wheelbase_M_f32	13.5281286
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	26214
t2_TrqLOA_DiffGainY_UIs_u1p15[1][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	26214
t2 TrqLOA DiffGainY Uls u1p15[6][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	19333
t2_rrqLOA_biffGainY_Uls_u1p15[6][2]	21299
t2_frqLOA_biliGainY_bis_u1p15[6][2] t2_frqLOA_biliGainY_bis_u1p15[6][3]	26214
t2_TrqLOA_DiffGainY_UIs_u1p15[7][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	21299
t2_TrqLOA_DiffGainY_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
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	12288
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	13107
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	16384 17203
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	

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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	
c_TrqLOA_AbsAssistThreshold_MtrNm_f32	0.15940845	
<pre>C_TrqLOA_AbsVelThreshold_MtrRadpS_f32</pre>	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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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_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	0.596330881		
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_UIs_f32	0.17708917	0.17708917 ± 0.01	<b>✓</b>
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	2.84024596	2.84024572 ± 0.01	~
TrqLOA_TloaCmd_MtrNm_M_f32	0.713699758	0.713699758 ± 0.01	<b>✓</b>
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.98530376	0.98530376 ± 0.01	<b>✓</b>
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	<b>✓</b>
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0.713699758	0.713699758 ± 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	0.200000003
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0260000005
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	2.99349976
TrqLOA_Scaledwit TrqCritd_witrNii_im_i32 TrqLOA_TloaCmd_MtrNm_M_f32	5
TrqLOA_Troacrid_MtNNII_M_I32 TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-0.206497729
k TrqLOA AbsAssistThreshold MtrNm f32	8.93306541
<pre>&lt;_TrqLOA_AbsVelThreshold_MtrRadpS_f32</pre>	328.252716
k_TrqLOA_biffScaleRateLimiterFalling_UlspS_f32	-29.5855579
<pre>&lt;_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32</pre>	73.3554611
k_TrqLOA_fallingRampRate_UlspS_f32	-734.655823
<pre>&lt;_frqLOA_rainingRainipRate_Uisp3_i32</pre> <pre>&lt;_frqLOA_LatAccConversionFactor_UIs_f32</pre>	9.01974106
	0.352978289
k_TrqLOA_LimOutput_MtrNm_f32	
<_TrqLOA_MaxScaleFactor_Uls_f32	0.534686923
k_TrqLOA_MinScaleFactor_Uls_f32	
k_TrqLOA_NomDrvTrq_MtrNm_f32	7.82537937
k_TrqLOA_RisingRampRate_UlspS_f32	984.492065
k_TrqLOA_SteerRatio_UIs_f32	35.3515091
k_TrqLOA_UndersteerGrad_RadpG_f32	0.25
k_TrqLOA_Wheelbase_M_f32	20
I2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	9503
12_TrqLOA_DiffGainY_Uls_u1p15[0][3]	9830
l2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	6554
12_TrqLOA_DiffGainY_Uls_u1p15[1][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	9830
t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	9830
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	9830
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	9503
l2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	9830
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	6554
2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	8192
2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	9830
2_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





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

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





Input Value	
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32         0.25           TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32         0.0264999997           TrqLOA_ScaledMtrTqCmd_MtrNm_M_f32         -0.13867566           TrqLOA_TloaCmd_MtrNm_M_f32         5.5           TrqLOA_TqBasedScaleFactor_Uls_M_f32         0.833204865           k_TrqLOA_AbsAssistThreshold_MtrNm_f32         6.20932293           k_TrqLOA_AbsAssistThreshold_MtrRadpS_f32         659.015991           k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32         -67.2214966           k_TrqLOA_DiffScaleRateLimiterFising_UlspS_f32         11.0838623           k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32         11.0838623           k_TrqLOA_LatAccConversionFactor_Uls_f32         5.47973728           k_TrqLOA_LatAccConversionFactor_Uls_f32         5.47973728           k_TrqLOA_LimOutput_MtrNm_f32         1.9202379           k_TrqLOA_LimOutput_MtrNm_f32         0.0276153088           k_TrqLOA_MinScaleFactor_Uls_f32         0.237777233           k_TrqLOA_NomDrvTrq_MtrNm_f32         7.01409388           k_TrqLOA_NomDrvTrq_MtrNm_f32         85.6128311           k_TrqLOA_SteerRatio_Uls_f32         85.6128311           k_TrqLOA_DiffGainY_Uls_ulp15[0][0]         10158           t2_TrqLOA_DiffGainY_Uls_ulp15[0][1]         12124           t2_TrqLOA_DiffGainY_Uls_ulp15[0][3]	
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_AbsAssistThreshold_MtrRadpS_f32         659.015991           k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32         67.2214966           k_TrqLOA_DiffScaleRateLimiterFising_UlspS_f32         11.0838623           k_TrqLOA_DiffScaleRateLimiterFising_UlspS_f32         11.0838623           k_TrqLOA_DiffScaleRateLimiterFising_UlspS_f32         20.1624084           k_TrqLOA_LatlAccConversionFactor_Uls_f32         5.47973728           k_TrqLOA_LimOutput_MtrNm_f32         1.9202379           k_TrqLOA_LimOutput_MtrNm_f32         0.0276153088           k_TrqLOA_MaxScaleFactor_Uls_f32         0.0276153088           k_TrqLOA_MinScaleFactor_Uls_f32         7.01409388           k_TrqLOA_NomDrvTrq_MtrNm_f32         7.01409388           k_TrqLOA_SteerRatio_Uls_f32         85.6128311           k_TrqLOA_UndersteerGrad_RadpG_f32         0.239458829           k_TrqLOA_UndersteerGrad_RadpG_f32         0.239458829           k_TrqLOA_DiffGainY_Uls_u1p15[0][0]         10158           12_TrqLOA_DiffGainY_Uls_	
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         659.015991           k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32         10.838623           k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32         11.0838623           k_TrqLOA_FallingRampRate_UlspS_f32         201.624084           k_TrqLOA_LatAccConversionFactor_Uls_f32         5.47973728           k_TrqLOA_LimOutput_MtrNm_f32         1.9202379           k_TrqLOA_MaxScaleFactor_Uls_f32         0.0276153088           k_TrqLOA_MinScaleFactor_Uls_f32         0.237777233           k_TrqLOA_NomDrvTrq_MtrNm_f32         7.01409388           k_TrqLOA_Sitegratio_Uls_f32         85.6128311           k_TrqLOA_SteerRatio_Uls_f32         83.8017349           k_TrqLOA_UndersteerGrad_RadpG_f32         0.239458829           k_TrqLOA_DiffGainY_Uls_ulp15[0][0]         10158           t2_TrqLOA_DiffGainY_Uls_ulp15[0][1]         12124           t2_TrqLOA_DiffGainY_Uls_ulp15[0][2]         12780           t2_TrqLOA_DiffGainY_Uls_ulp15[0][3]         13107           t2_TrqLOA_DiffGainY_Uls_ulp15[1][0]         10158	
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_DiffScaleRateLimiterRising_UlspS_f32       11.0838623         k_TrqLOA_EdilingRampRate_UlspS_f32       -201.624084         k_TrqLOA_LatAccConversionFactor_Uls_f32       5.47973728         k_TrqLOA_LimOutput_MtrNm_f32       1.9202379         k_TrqLOA_MinOutput_MtrNm_f32       0.0276153088         k_TrqLOA_MinScaleFactor_Uls_f32       0.237777233         k_TrqLOA_NomDrvTrq_MtrNm_f32       7.01409388         k_TrqLOA_NomDrvTrq_MtrNm_f32       85.6128311         k_TrqLOA_SitegRampRate_UlspS_f32       83.8017349         k_TrqLOA_UndersteerGrad_RadpG_f32       0.239458829         k_TrqLOA_Wheelbase_M_f32       7.51533031         t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]       10158         t2_TrqLOA_DiffGainY_Uls_u1p15[0][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]       10158	
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TrqLOA\_Per1

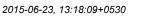
Input Value 51030		
ll		
4915		
9421		
15155		
16384		
18432		
20070		
21709		
23347		
13888		
13952		
14016		
14080		
14144		
14208		
14272		
14336		
target TrqLOA Per1 HandwheelAut	nority Uls f32	
target TrqLOA Per1 LatAcc MpSec	Sq f32	
target TrqLOA Per1 LatAccelValid	Cnt Igc	
target TrqLOA Per1 VehicleSpeed	Kph f32	
1	<u> </u>	
8.15013218		
1		
1		
-1633.13428		
46.1315651		
0		
0		
Actual Value	Expected Value	Result
	•	
	16384  18432  20070  21709  23347  13888  13952  14016  14080  14144  14208  14272  14336  target_TrqLOA_Per1_HandwheelAutt target_TrqLOA_Per1_LatAcc_MpSec target_TrqLOA_Per1_LatAcc_WfSec target_TrqLOA_Per1_MotAgLoaMtgMt target_TrqLOA_Per1_MrVelCRF_Mt target_TrqLOA_Per1_MrVelCRF_Mt target_TrqLOA_Per1_TrqLOAvail_C target_TrqLOA_Per1_TrqLOAcmd_M target_TrqLOA_Per1_TrqLOACmd_M target_TrqLOA_Per1_VehicleSpeedU target_TrqLOA_Per1_VehicleSpeedU target_TrqLOA_Per1_VehicleSpeedU 1 8.15013218 1 1 -1633.13428 46.1315651 0	16384   18432   20070   21709   23347   13888   13952   14016   14080   14144   14208   14272   14336   target_TrqLOA_Per1_HandwheelAuthority_Uls_f32   target_TrqLOA_Per1_LatAcc_MpSec\$q_f32   target_TrqLOA_Per1_LatAccelValid_Cnt_lgc   target_TrqLOA_Per1_MtrVelCRF_Mtr_RadpS_f32   target_TrqLOA_Per1_MtrVelCRF_Mtr_RadpS_f32   target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc   target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc   target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32   target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32   target_TrqLOA_Per1_VehicleSpeed_Kph_f32   1   8.15013218   1   1   -1633.13428   46.1315651   0   0   0

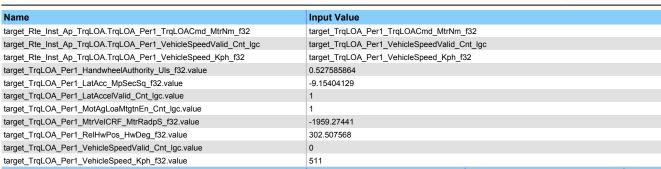




Name	Input Value
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	17039
2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	19661
I2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	13763
2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	15729
I2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	17039
12_TrqLOA_DiffGainY_Uls_u1p15[2][3]	19661
2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	13763
2_TrqLOA_DiffGainY_UIs_u1p15[3][1]	15729 17039
:2_TrqLOA_DiffGainY_Uls_u1p15[3][2] :2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	19661
2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	13763
2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	15729
2_TrqLOA_DiffGainY_UIs_u1p15[4][2]	17039
12_TrqLOA_DiffGainY_Uls_u1p15[4][3]	19661
2_TrqLOA_DiffGainY_UIs_u1p15[5][0]	13763
2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	15729
2_TrqLOA_DiffGainY_UIs_u1p15[5][2]	17039
2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	19661
2_TrqLOA_DiffGainY_UIs_u1p15[6][0]	13763
2_TrqLOA_DiffGainY_UIs_u1p15[6][1]	15729
2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	17039
2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	19661
2_TrqLOA_DiffGainY_UIs_u1p15[7][0]	13763
2 TrgLOA DiffGainY Uls u1p15[7][1]	15729
2_TrqLOA_DiffGainY_UIs_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
:_TrqLOA_DiffGainX_G_u2p14[2]	19169
 _TrqLOA_DiffGainX_G_u2p14[3]	26214
:_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]	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_LatAccGain_Y_MtrNmpG_u4p12[4]	12288
TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	13107
:_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	16384
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	17203
:_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	5734
:_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	10650
:_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	15974
_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	16794
_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	19251
:_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	20890
:_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	22938
_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	24166
TrqLOA_X_Kph_u10p6[0]	14400
_TrqLOA_X_Kph_u10p6[1]	14464
_TrqLOA_X_Kph_u10p6[2]	14528
_TrqLOA_X_Kph_u10p6[3]	14592
:_TrqLOA_X_Kph_u10p6[4]	14656
TrqLOA_X_Kph_u10p6[5]	14720
TrqLOA_X_Kph_u10p6[6]	14784
TrqLOA_X_Kph_u10p6[7]	14848
arget_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecSq_f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelValid_Cnt_lgc
arget_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

TrqLOA\_Per1





JII		
Actual Value	Expected Value	Result
0.857205987	0.857205987	•
0.301532269	0.301532269 ± 0.01	~
0	0 ± 0.01	~
0	0 ± 0.01	<b>✓</b>
-1.9602679	-1.9602679 ± 0.01	~
0	0	~
0	0 ± 0.01	~
	Actual Value 0.857205987 0.301532269 0	Actual Value         Expected Value           0.857205987         0.857205987           0.301532269         0.301532269 ± 0.01           0         0 ± 0.01           0         0 ± 0.01           -1.9602679         -1.9602679 ± 0.01           0         0

Test Step 2.32 (Repeat Count = 1)	v v v v v v v v v v v v v v v v v v v
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	0.349999994
TrqLOA_LatAccelSV_g_M_Str.K_Uls_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 TrqLOA AbsVelThreshold MtrRadpS f32	396.538757
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-16.9330521
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	9.62668037
k_TrqLOA_FallingRampRate_UlspS_f32	-738.304871
k_TrqLOA_LatAccConversionFactor_Uls_f32	7.49069738
k_TrqLOA_LimOutput_MtrNm_f32	3.90022373
k_TrqLOA_MaxScaleFactor_Uls_f32	1
k TrqLOA MinScaleFactor Uls f32	0.436335325
k TrgLOA NomDrvTrg MtrNm f32	8.80000019
k TrgLOA RisingRampRate UlspS f32	957.202148
k TrqLOA SteerRatio Uls f32	20.383215
k_TrqLOA_UndersteerGrad_RadpG_f32	0.25
k_TrqLOA_Wheelbase_M_f32	10.1302967
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	26214
t2 TrqLOA DiffGainY Uls u1p15[1][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	21299
t2_TrqLOA_DiffGainY_UIs_u1p15[1][3]	26214
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][1]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	26214
	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	19333
t2_TrqLOA_DiffGainY_UIs_u1p15[5][1]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	26214
t2_TrqLOA_DiffGainY_UIs_u1p15[5][3]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	
t2_TrqLOA_DiffGainY_UIs_u1p15[6][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	26214

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Razorcat

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





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 15104		
t_TrqLOA_X_Kph_u10p6[3]	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 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	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	0.558684111		
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_UIs_f32	0.40000006
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0280000009
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	8.80000019
TrqLOA_TloaCmd_MtrNm_M_f32	7
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	2
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	8.86581421
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	822.262451
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-85.1996994
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	27.1538162
k_TrqLOA_FallingRampRate_UlspS_f32	-942.832275
k_TrqLOA_LatAccConversionFactor_Uls_f32 k_TrqLOA_LimOutput_MtrNm_f32	0.100000001 1.91650236
k_TrqLOA_LimOutput_initriii_132 k_TrqLOA_MaxScaleFactor_Uls_f32	0.808199286
k_TrqLOA_MinScaleFactor_Uls_f32	0.928993344
k_TrqLOA_NomDrvTrq_MtrNm_f32	5.1365633
k_TrqLOA_RisingRampRate_UlspS_f32	630.897095
k_TrqLOA_SteerRatio_Uls_f32	46.9744377
k_TrqLOA_UndersteerGrad_RadpG_f32	0.25
k_TrqLOA_Wheelbase_M_f32	10.178853
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2] t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	4915 6226
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	655
t2_TrqLOA_DiffGainY_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 6226
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3] t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	2458
t2_TrqLOA_DiffGainY_UIs_u1p15[5][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	655
t2_TrqLOA_DiffGainY_UIs_u1p15[7][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3] t_TrqLOA_DiffGainX_G_u2p14[0]	6226 328
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]	320
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	640
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	960
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	1280
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	1600
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	16384
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	19661
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4] t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	22938 36864
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	37683
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	40960
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	41779





Name	Input Value		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	45056		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	45875		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	49152		
t TrqLOA LatAccGain Y MtrNmpG u4p12[7]	49971		
t TrqLOA TempTrqCmdSatYTbl MtrNm u4p12[0]	7373		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	13107		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	17613		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	17613		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	20890		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	22528		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	25395		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	25805		
t_TrqLOA_X_Kph_u10p6[0]	15424		
t_TrqLOA_X_Kph_u10p6[1]	15488		
t_TrqLOA_X_Kph_u10p6[2]	15552		
t_TrqLOA_X_Kph_u10p6[3]	15616		
t_TrqLOA_X_Kph_u10p6[4]	15680		
t_TrqLOA_X_Kph_u10p6[5]	15744		
t_TrqLOA_X_Kph_u10p6[6]	15808		
t_TrqLOA_X_Kph_u10p6[7]	15872		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSe	ecSq_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_H	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	d_Kph_f32	
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_Igc.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	

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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_UIs_u1p15[0][3]	9830
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	9830
t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	9830
t2_TrqLOA_DiffGainY_UIs_u1p15[3][0]	6554
t2_TrqLOA_DiffGainY_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_DiffGainY_Uls_u1p15[4][2]	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_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 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]	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_UIs_f32	tarnet Trol OA Perf Later MnSeeSe f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAdunonty_Dis_132 target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcce_MpSecSq_f32 target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAcc_MpSecSq_f32 target_TrqLOA_Per1_LatAccelValid_Cnt_lgc

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Name	Input Value		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCF	RF_MtrRadpS_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPo	s_HwDeg_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc	target_TrqLOA_Per1_TrqLOAA	vail_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOAC	md_MtrNm_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSp	peedValid_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleS	peed_Kph_f32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	1		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-7.66519117		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	416.382568		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	286.772766		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	196.852356		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.958824396	0.958824396	<b>✓</b>
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.465533465	0.465533465 ± 0.01	<b>✓</b>
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	~
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	<b>✓</b>
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-1.42920613	-1.42920613 ± 0.01	•
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	<b>✓</b>
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0	0 ± 0.01	<b>✓</b>

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_UIs_f32	0.845024467	
C_TrqLOA_NomDrvTrq_MtrNm_f32	1.26870954	
rrqLOA_RisingRampRate_UlspS_f32	630.161194	
_TrqLOA_SteerRatio_Uls_f32	61.5083542	
TrqLOA_GleerRatio_Gls_l32	0.25	
TrqLOA Wheelbase M f32	10.0410261	
2 TrqLOA_viriceibase_ivi_i32 2 TrqLOA DiffGainY Uls u1p15[0][0]	10.0410201	
2_TrqLOA_DiffGainY_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_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_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]	13107		
t_TrqLOA_DiffGainX_G_u2p14[0]	5079		
t_TrqLOA_DiffGainX_G_u2p14[1] t_TrqLOA_DiffGainX_G_u2p14[2]	6062 6390		
t TrgLOA DiffGainX G u2p14[3]	6554		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	3520		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	3840		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	4160		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	4480		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	4800		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	9830		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	13107		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	16384		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	19661		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	22938		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	4096		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	4915		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	8192		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	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]	16448		
t_TrqLOA_X_Kph_u10p6[1]	16512		
t_TrqLOA_X_Kph_u10p6[2]	16576		
t_TrqLOA_X_Kph_u10p6[3]	16640 16704		
t_TrqLOA_X_Kph_u10p6[4] 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	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_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	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	225.925964		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc.value	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	146.495758		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.610748589	0.610748589	•
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_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)	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 0.550000012
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
k_TrqLOA_LatAccConversionFactor_Uls_f32	8.74153614
k_TrqLOA_LimOutput_MtrNm_f32 k_TrqLOA_MaxScaleFactor_Uls_f32	6.41432095
k_TrqLOA_MinScaleFactor_UIs_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_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 19661
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3] t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	13763
t2_TrqLOA_DiliGainY_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] t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	19661 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] t TrqLOA DiffGainX G u2p14[0]	19661 6881
t_TrqLOA_DiffGainX_G_u2p14[1]	7864
t TrgLOA 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
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4] t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	22938 20480
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	21299
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	24576





Name	Input Value		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	28672		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	29491		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	32768		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	33587		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	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_HandwheelA	Authority_Uls_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpS	SecSq_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_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_VehicleSpeedValid_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	





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_UIs_u1p15[4][2] t2_TrqLOA_DiffGainY_UIs_u1p15[4][3]	21299 26214
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	21299
t2_TrqLOA_DiffGainY_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

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Name	Input Value		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRI	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_TrqLOACr	md_MtrNm_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc	target_TrqLOA_Per1_VehicleSp	eedValid_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSp	eed_Kph_f32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	1		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	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	<b>✓</b>
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.0778244138	0.077824384 ± 0.01	<b>✓</b>
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	<b>✓</b>
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0	0 ± 0.01	<b>✓</b>

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>&lt;_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>&lt;_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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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_TrqLOAOmd_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_ημι_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	<b>✓</b>
TIQLOA_TIQDasedScalet actor_Ols_W_132			
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	<b>✓</b>





Test Step 2.39 (Repeat Count = 1)	<b>✓</b>
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_Handwhe	eelAuthority_Uls_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_N	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_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)		<b>✓</b>
Name	Input Value	
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA	
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.91244936	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.150000006	
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0315000005	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-4.95014572	
TrqLOA_TloaCmd_MtrNm_M_f32	-6	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.319885492	
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	4.55739784	
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	959.739197	
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



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

 $target\_TrqLOA\_Per1\_TrqLOACmd\_MtrNm\_f32.value$ 





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_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_C	Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpeed_Kph_f3	32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	1		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-0.739941597		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	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_Itteligitalipitate_oispo_ioz	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_UIs_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	





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



Test Step 2.42 (Repeat Count = 1)	Invest Velice
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.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 7.6060635
k_TrqLOA_LatAccConversionFactor_Uls_f32 k_TrqLOA_LimOutput_MtrNm_f32	7.6068635 8.7332983
k_TrqLOA_EIIIIOdipat_MitNIII_132 k_TrqLOA_MaxScaleFactor_Uls_f32	0.0215017796
k_TrqLOA_MinScaleFactor_Uls_f32	0.174004555
k_TrqLOA_NomDrvTrq_MtrNm_f32	0
k_TrqLOA_RisingRampRate_UlspS_f32	132.842804
k_TrqLOA_SteerRatio_Uls_f32	24.7302666
k_TrqLOA_UndersteerGrad_RadpG_f32	0.25
k_TrqLOA_Wheelbase_M_f32	10.1715307
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[0][2] t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	21299 26214
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	19333
t2_TrqLOA_DiffGainY_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] t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	19333 21299
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	21299
t2_TrqLOA_DiffGainY_UIs_u1p15[4][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	17367
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 19333
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1] t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	21299
t2_rrqLOA_biffGainY_bis_urp15[6][2] t2_rrqLOA_biffGainY_bis_urp15[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] t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	14720 15040
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	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 56115
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	





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_HandwheelAuth		
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_Igc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_M		
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_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_Uls_u1p15[0][3]	6226
t2_TrqLOA_DiffGainY_UIs_u1p15[1][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	2458
t2_TrqLOA_DiffGainY_UIs_u1p15[1][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	6226
t2_TrqLOA_DiffGainY_UIs_u1p15[2][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	6226 655
t2_TrqLOA_DiffGainY_UIs_u1p15[4][0]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1] t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	4915
t2_TrqLOA_DiliGainY_Uls_u1p15[4][3]	6226
t2_TrqLOA_DiffGainY_UIs_u1p15[5][0]	655
t2 TrqLOA DiffGainY Uls u1p15[5][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	6226
t2 TrqLOA DiffGainY Uls u1p15[6][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	4915
t2_TrqLOA_DiffGainY_UIs_u1p15[7][3]	6226
t_TrqLOA_DiffGainX_G_u2p14[0]	328
t_TrqLOA_DiffGainX_G_u2p14[1]	1229
t_TrqLOA_DiffGainX_G_u2p14[2]	2458
t_TrqLOA_DiffGainX_G_u2p14[3]	3113
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	16320
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	16640
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	16960
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	17280
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	17600
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	3277 6554
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2] t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	16384
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	4096
t TrqLOA LatAccGain Y MtrNmpG u4p12[1]	4915
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	8192
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	9011
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	12288
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	13107
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	16384
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	17203
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	4915
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	9421
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	15155
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	16384
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	18432
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	20070
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	21709
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	23347
t_TrqLOA_X_Kph_u10p6[0]	20544
t_TrqLOA_X_Kph_u10p6[1]	20608
t_TrqLOA_X_Kph_u10p6[2]	20672
t_TrqLOA_X_Kph_u10p6[3]	20736
t_TrqLOA_X_Kph_u10p6[4]	20800
t_TrqLOA_X_Kph_u10p6[5]	20864
t_TrqLOA_X_Kph_u10p6[6]	20928
t_TrqLOA_X_Kph_u10p6[7]	20992
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32 target_TrqLOA_Per1_LatAcc_MpSecSq_f32
target Rte Inst An Tral OA Tral OA Dard Lather Machack for	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32 target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelValid_Cnt_lgc

target\_TrqLOA\_Per1\_TrqLOACmd\_MtrNm\_f32.value





Name	Input Value			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_	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	il_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	0.212739348			
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	5.64538431			
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0	0		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1	1		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	1608.55676	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 ± 0.01			
target TrqLOA Per1 TrqLOAAvail Cnt Igc.value	0	0	<b>✓</b>	

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>&lt;_TrqLOA_AbsAssistThreshold_MtrNm_f32</pre>	3.87201977	
TrgLOA AbsVelThreshold MtrRadpS f32	621.806824	
TrgLOA DiffScaleRateLimiterFalling UlspS f32	-54.2749367	
<pre>&lt;_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>&lt;_frqLOA_MinScaleFactor_Uls_f32</pre>	0.978592157	
k TrgLOA NomDrvTrg MtrNm f32	7.5	
k TrgLOA RisingRampRate UlspS f32	75.7910156	
<pre>&lt;_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	<b>✓</b>
TrqLOA_TloaCmd_MtrNm_M_f32	0.209976807	0.209976807 ± 0.01	~
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	1.38365281	1.38365281 ± 0.01	<b>✓</b>
target_TrqLOA_Per1_TrqLOAAvail_Cnt_Igc.value	0	0	<b>→</b>
	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_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_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_VehicleSpeed	dValid_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	1			
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-8.84254169			
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	1			
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	0			
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-1398.72522			
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-974.238525			
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	0			
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	122.357391			
Name	Actual Value	Expected Value	Result	
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.503103018	0.503103018	•	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.352928221	0.352928221 ± 0.01		
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-0.0706770122	-0.0706770048 ± 0.01		
TrqLOA_TloaCmd_MtrNm_M_f32	-0.0706770122	-0.0706770048 ± 0.01		
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.877906442	0.877906442 ± 0.01		
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0		
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	-0.0706770122	-0.0706770048 ± 0.01		

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





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





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_HwI	Deg_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOAAvail_C	nt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_M	trNm_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc	target_TrqLOA_Per1_VehicleSpeedV	alid_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpeed_I	Cph_f32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0.0314078331		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	3.01422715		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	0		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	1739.23352		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	300.68573		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	491.636902		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.724533796	0.724533796	~
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.441659391	0.441659391 ± 0.01	<b>✓</b>
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	<b>✓</b>
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	<b>✓</b>
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.0602126122	0.0602126122 ± 0.01	~
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	•
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0	0 ± 0.01	<b>✓</b>

Test Step 2.47 (Repeat Count = 1) Name	Input Value	
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA	
TrqLOA LatAccScaleFactor Uls M f32	0.660953164	
TrqLOA_LatAccelSV g M Str.SV Uls f32	0.5	
	0.0350000001	
TrqLOA_LatAccelSV_g_M_Str.K_UIs_f32	5.33521175	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-2.5	
TrqLOA_TloaCmd_MtrNm_M_f32 TrqLOA_TrqBasedScaleFactor Uls M f32	-0.281446397	
	4.5	
<pre>&lt;_TrqLOA_Abs/sistThreshold_MtrNm_f32</pre>		
<_TrqLOA_AbsVelThreshold_MtrRadpS_f32	261.013611	
	-81.0471191	
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	18.8620987	
k_TrqLOA_FallingRampRate_UlspS_f32	-402.1922	
k_TrqLOA_LatAccConversionFactor_Uls_f32	4.45717812	
k_TrqLOA_LimOutput_MtrNm_f32	6.09960651	
x_TrqLOA_MaxScaleFactor_Uls_f32	0.218074918	
<_TrqLOA_MinScaleFactor_Uls_f32	1	
x_TrqLOA_NomDrvTrq_MtrNm_f32	4.11426783	
<pre>&lt;_TrqLOA_RisingRampRate_UlspS_f32</pre>	889.365356	
C_TrqLOA_SteerRatio_Uls_f32	22.2962933	
c_TrqLOA_UndersteerGrad_RadpG_f32	0.25	
c_TrqLOA_Wheelbase_M_f32	15.2142324	
2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	17367	
t2_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	
12_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] 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 22592		
t_TrqLOA_X_Kph_u10p6[0] 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_Handwhee	lAuthority 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
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.550000012
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0355000012
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-8.80000019
TrqLOA_TloaCmd_MtrNm_M_f32	-2
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	1.85944247 8.13665009
k_TrqLOA_AbsAssistThreshold_MtrNm_f32 k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	70.0263748
k TrgLOA_AbsverTilleshold_Mitrkaup5_132	-8.00514412
k TrqLOA DiffScaleRateLimiterRising UlspS f32	99.516716
k_TrqLOA_FallingRampRate_UlspS_f32	-163.67894
k_TrqLOA_LatAccConversionFactor_Uls_f32	10
k_TrqLOA_LimOutput_MtrNm_f32	2.33877659
k_TrqLOA_MaxScaleFactor_Uls_f32	1
k_TrqLOA_MinScaleFactor_Uls_f32	1
k_TrqLOA_NomDrvTrq_MtrNm_f32	1.78339124
k_TrqLOA_RisingRampRate_UlspS_f32	36.7966118
k_TrqLOA_SteerRatio_Uls_f32	17.9014683
k_TrqLOA_UndersteerGrad_RadpG_f32	0.25
k_TrqLOA_Wheelbase_M_f32	14.6375256
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3] t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	6226 655
t2_frqLOA_biilGaiirt_bis_u1p15[5][0] t2_frqLOA_biffGainY_Uls_u1p15[5][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	4915
t2_rrqLOA_biffGainY_bis_urpris[5][2] t2_rrqLOA_biffGainY_bis_urpris[5][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	6226
t2_TrqLOA_DiffGainY_UIs_u1p15[7][0]	655
t2_TrqLOA_DiffGainY_UIs_u1p15[7][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	6226
t TrgLOA DiffGainX G u2p14[0]	10486
t TrgLOA DiffGainX G u2p14[1]	11469
t_TrqLOA_DiffGainX_G_u2p14[2]	12780
t_TrqLOA_DiffGainX_G_u2p14[3]	16384
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	320
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	640
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	960
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	1280
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	1600
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	3277
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	6554
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	16384
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	20480
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	21299
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	24576
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	25395





Name	Input Value		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	28672		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	29491		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	32768		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	33587		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	9011		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	15565		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	19251		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	18432		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	22528		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	24166		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	27853		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	27443		
t_TrqLOA_X_Kph_u10p6[0]	23104		
t_TrqLOA_X_Kph_u10p6[1]	23168		
t_TrqLOA_X_Kph_u10p6[2]	23232		
t_TrqLOA_X_Kph_u10p6[3]	23296		
t_TrqLOA_X_Kph_u10p6[4]	23360		
t_TrqLOA_X_Kph_u10p6[5]	23424		
t_TrqLOA_X_Kph_u10p6[6]	23488		
t_TrqLOA_X_Kph_u10p6[7]	23552		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAut	thority_Uls_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSer	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	tnEn_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	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_I	MtrNm_f32	
target_Rte_Inst_Ap_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	0.200104475		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-4.82459116		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	0		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-1454.8761		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	67.0191269		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	444.720215		
Name	Actual Value	Expected Value	Result
TrgLOA 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	
TrgLOA 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 Igc.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	
TrgLOA LatAccScaleFactor Uls M f32	1	
TrgLOA LatAccelSV g M Str.SV Uls f32	0.600000024	
TrgLOA LatAccelSV g M Str.K Uls f32	0.0359999985	
TrgLOA ScaledMtrTrgCmd 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_YenipTrqCindSat1Tbi_widWin_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





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	Cmd_MtrNm_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc	target_TrqLOA_Per1_VehicleS	peedValid_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleS	peed_Kph_f32		
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0.20604527			
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	1.25657976	1.25657976		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0			
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1	1		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	1630.51721	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	<b>✓</b>	
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	<b>✓</b>	
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	~	
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	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 <del>4</del> 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		
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]	3277		
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 rqbierid_Y_ois_u1p15[4]	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]	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		
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_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		
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_Rte_Inst_Ap_TrqLOA.TrqLOA Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_MtrVelCRF_		
target_Rte_inst_Ap_TrqLOA.TrqLOA_Per1_ReiHwPos_HwDeg_f32 target_Rte_inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc	target_TrqLOA_Per1_RelHwPos_ 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_TrqLOACmd_withvin_isz  target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSpec		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpec		
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	0		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	87.9351654		
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	
TrqLOA_LatAccelSV_g_M_Str.SV_UIs_f32	0.670124829	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	•
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.102830887	0.102830887 ± 0.01	•
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	•
	T		

0.107311517

target\_TrqLOA\_Per1\_TrqLOACmd\_MtrNm\_f32.value

0.10731151 ± 0.01





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





Name	Input Value		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	12288		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	13107		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	16384		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	17203		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	11469		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	19251		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	21709		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	19661		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	24986		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	26624		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	31539		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	29901		
t_TrqLOA_X_Kph_u10p6[0]	24640		
t_TrqLOA_X_Kph_u10p6[1]	24704		
t_TrqLOA_X_Kph_u10p6[2]	24768		
t_TrqLOA_X_Kph_u10p6[3]	24832		
t_TrqLOA_X_Kph_u10p6[4]	24896		
t_TrqLOA_X_Kph_u10p6[5]	24960		
t_TrqLOA_X_Kph_u10p6[6]	25024		
t_TrqLOA_X_Kph_u10p6[7]	25088		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_Handwhee	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_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_TrqLOACn	nd_MtrNm_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc	target_TrqLOA_Per1_VehicleSpe	eedValid_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpe	eed_Kph_f32	
target_TrqLOA_Per1_HandwheelAuthority_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	
TrqLOA_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	
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	3.77383447	
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	730.688354	
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-76.3539963	
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	52.7584305	
k_TrqLOA_FallingRampRate_UlspS_f32	-193.01442	
k_TrqLOA_LatAccConversionFactor_Uls_f32	8.3335619	
k_TrqLOA_LimOutput_MtrNm_f32	0.79102397	
k_TrqLOA_MaxScaleFactor_Uls_f32	0.12011385	
k_TrqLOA_MinScaleFactor_Uls_f32	1	
k_TrqLOA_NomDrvTrq_MtrNm_f32	4.56076574	
k_TrqLOA_RisingRampRate_UlspS_f32	183.309341	
k_TrqLOA_SteerRatio_Uls_f32	65.6744766	
k_TrqLOA_UndersteerGrad_RadpG_f32	0.25	
k_TrqLOA_Wheelbase_M_f32	19.3209667	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	17367	





Name	Input Value
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	19333
t2_TrqLOA_DiffGainY_UIs_u1p15[0][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	19333 21299
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2] t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	19333
t2_TrqLOA_DiffGainY_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



TrqLOA\_Per1

Name	Input Value		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_HwDeg_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_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	Valid_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	0.0912983418		
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	<b>✓</b>
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 ± 0.01		
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	✓
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0	0 ± 0.01	<b>✓</b>

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

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TrqLOA\_Per1



	1		
Name	Input Value		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	2458		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	4915		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	6226		
t2_TrqLOA_DiffGainY_UIs_u1p15[7][0]	655		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	2458		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	4915		
t2_TrqLOA_DiffGainY_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		
	8640		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]			
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	8960		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	9280		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	9600		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	3277		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	6554		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	9830		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	13107		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	16384		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	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		
	49152		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	49971		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	13107		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	21709		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	23347		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	20480		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	26624		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	28262		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	33997		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	31539		
t_TrqLOA_X_Kph_u10p6[0]	576		
t_TrqLOA_X_Kph_u10p6[1]	640		
t TrgLOA X Kph u10p6[2]	704		
t_TrqLOA_X_Kph_u10p6[3]	768		
t_TrqLOA_X_Kph_u10p6[4]	832		
	896		
t_TrqLOA_X_Kph_u10p6[5]			
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_Handwheel	,	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_Mp		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelVa	ılid_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaN	//tgtnEn_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF	_MtrRadpS_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_	_HwDeg_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc	target_TrqLOA_Per1_TrqLOAAva	ail_Cnt_lgc	
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	0.591545701		
	-5.60033464		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value			
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	0		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-1996.67395		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-417.604858		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	269.085175		
Name	Actual Value	Expected Value	Result
TrqLOA LatAccScaleFactor UIs M f32	0.995814264	0.995814264	~
TrqLOA LatAccelSV g M Str.SV Uls f32	0.132457942	0.132457957 ± 0.01	·
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-3.83386064	-3.83386064 ± 0.01	
TrqLOA_TloaCmd_MtrNm_M_f32	-0.824423671	-0.824423671 ± 0.01	_
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	1.00929701	1.00929701 ± 0.01	
target_TrqLOA_Per1_TrqLOAAvail_Cnt_Igc.value	0	0	Ž
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	-0.824423671	-0.824423671 ± 0.01	





Test Step 2.54 (Repeat Count = 1)	Invest Value
Name	Input Value
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA
TrqLOA_LatAccScaleFactor_Uls_M_f32 TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	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
k_TrqLOA_LatAccConversionFactor_Uls_f32	4.97509384
k_TrqLOA_LimOutput_MtrNm_f32	3.29564786 0.707442999
k_TrqLOA_MaxScaleFactor_Uls_f32 k_TrqLOA_MinScaleFactor_Uls_f32	0.707442999
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_Uls_u1p15[1][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	9503 9830
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3] t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	6554
t2_TrqLOA_DiliGainY_Uls_u1p15[2][0]	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] t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	9830 6554
tz_frqLOA_DiliGaint_Ois_u1p15[5][0] 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 4096
t_TrqLOA_DiffGainX_G_u2p14[1] t_TrqLOA_DiffGainX_G_u2p14[2]	4751
t_TrqLOA_DiffGainX_G_u2p14[2] t_TrqLOA_DiffGainX_G_u2p14[3]	4915
t_TrqLOA_biiioaiiio_G_uzp1+[3] 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] t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	53248 54067
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]  t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	56115
I ITOLUA LAIACCGAIN Y MINNING 1140 12121	





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_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_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_TrqLOAAv	ail_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACn	nd_MtrNm_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc	target_TrqLOA_Per1_VehicleSpe	eedValid_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpe	eed_Kph_f32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0.764021397		
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	





Name	Input Value
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	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_UIs_u1p15[5][0]	10158
t2_TrqLOA_DiffGainY_UIs_u1p15[5][1]	12124
t2_TrqLOA_DiffGainY_UIs_u1p15[5][2]	12780
t2_TrqLOA_DiffGainY_UIs_u1p15[5][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	10158
t2_TrqLOA_DiffGainY_UIs_u1p15[6][1]	12124
t2_TrqLOA_DiffGainY_UIs_u1p15[6][2]	12780 13107
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	
t2_TrqLOA_DiffGainY_UIs_u1p15[7][0]	10158 12124
t2_TrqLOA_DiffGainY_UIs_u1p15[7][1]	12780
t2_TrqLOA_DiffGainY_UIs_u1p15[7][2]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3] t_TrqLOA_DiffGainX_G_u2p14[0]	5079
t_TrqLOA_DiffGainX_G_u2p14[1]	6062
t_TrqLOA_DiffGainX_G_u2p14[1]	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 TrgLOA HighSpeedTrgBlend 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 TrgLOA LatAccGain Y MtrNmpG u4p12[2]	8192
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	9011
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	12288
t TrgLOA LatAccGain Y MtrNmpG u4p12[5]	13107
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	16384
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	17203
t TrgLOA TempTrgCmdSatYTbl MtrNm u4p12[0]	4096
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	8192
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	14336
t TrgLOA TempTrgCmdSatYTbl 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]	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_f32
	target_TrqLOA_Per1_LatAccelValid_Cnt_Igc
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	





Name	Input Value			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCF	target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPo	target_TrqLOA_Per1_RelHwPos_HwDeg_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOAA	target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOAC	md_MtrNm_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc	target_TrqLOA_Per1_VehicleS	peedValid_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleS	peed_Kph_f32		
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0.601940989			
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-8.82232189			
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0	0		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	0	0		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	1492.13257	1492.13257		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-356.246979			
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	0			
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	200.567169			
Name	Actual Value	Expected Value	Result	
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.622659028	0.622659028	~	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.2794604	0.2794604 ± 0.01	<b>✓</b>	
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	<b>✓</b>	
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0	0 ± 0.01		

Test Step 2.56 (Repeat Count = 1) 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	
·	0.0395000018	
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	8.80000019	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0.00000019	
TrqLOA_TloaCmd_MtrNm_M_f32	-1.85330462	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32		
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	4.75983143	
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	265.580505	
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-8.98526001	
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	98.3069687	
k_TrqLOA_FallingRampRate_UlspS_f32	-22.6989975	
k_TrqLOA_LatAccConversionFactor_Uls_f32	7.02576303	
k_TrqLOA_LimOutput_MtrNm_f32	2.79434323	
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	
k_TrqLOA_SteerRatio_Uls_f32	87.3385468	
k_TrqLOA_UndersteerGrad_RadpG_f32	0.25	
k_TrqLOA_Wheelbase_M_f32	1.11183953	
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	
2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	15729	
2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	17039	
12_TrqLOA_DiffGainY_Uls_u1p15[2][3]	19661	
12_TrqLOA_DiffGainY_Uls_u1p15[3][0]	13763	
12_TrqLOA_DiffGainY_Uls_u1p15[3][1]	15729	
2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	17039	
2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	19661	
12_TrqLOA_DiffGainY_Uls_u1p15[4][0]	13763	
12_TrqLOA_DiffGainY_Uls_u1p15[4][1]	15729	
12 TrqLOA DiffGainY Uls u1p15[4][2]	17039	
12_TrqLOA_DiffGainY_Uls_u1p15[4][3]	19661	
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	13763	
12_TrqLOA_DiffGainY_Uls_u1p15[5][1]	15729	
12_TrqLOA_DiffGainY_Uls_u1p15[5][1]	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_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]	13120			
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	13440			
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	13760			
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	14080			
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	14400			
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	6554			
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	9830			
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	13107			
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	16384			
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	19661			
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	20480			
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	21299 24576			
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]				
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]	32768 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			
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_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	-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		1_	
Name	Actual Value	Expected Value	Result	
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.600006104	0.600006104	•	
TrqLOA_LatAccelSV_g_M_Str.SV_UIs_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	•	

0

0 ± 0.01

target\_TrqLOA\_Per1\_TrqLOACmd\_MtrNm\_f32.value





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	-51.2935638
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32 k_TrqLOA_FallingRampRate_UlspS_f32	98.1905823 -546.58197
k_TrqLOA_LatAccConversionFactor_Uls_f32	8.49251175
k_TrqLOA_LimOutput_MtrNm_f32	3.4109993
k TrgLOA 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]	19333
t2_TrqLOA_DiffGainY_Uls_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_UIs_u1p15[1][2]	21299
t2_TrqLOA_DiffGainY_UIs_u1p15[1][3]	26214 17367
t2_TrqLOA_DiffGainY_UIs_u1p15[2][0] t2_TrqLOA_DiffGainY_UIs_u1p15[2][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	19333
t2_TrqLOA_DiffGainY_UIs_u1p15[5][2]	21299
t2_TrqLOA_DiffGainY_UIs_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
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_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 0830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1] t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	9830 13107
t_TrqLOA_HighSpeedTrqBlend_Y_UIs_u1p15[2] t_TrqLOA_HighSpeedTrqBlend_Y_UIs_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
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t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	40960





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_HandwheelAutho	rity_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_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_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_Mtr	Nm_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSpeedVal	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	-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_Uls_u1p15[1][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	4915
t2_TrqLOA_DiffGainY_UIs_u1p15[1][3]	6226 655
t2_TrqLOA_DiffGainY_Uls_u1p15[2][0] t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	2458
t2 TrqLOA DiffGainY Uls u1p15[2][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3] t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	6226 655
t2 TrqLOA DiffGainY Uls u1p15[5][1]	2458
t2_TrqLOA_DiriGainY_Uls_u1p15[5][1] t2_TrqLOA_DiriGainY_Uls_u1p15[5][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	6226 10486
t_TrqLOA_DiffGainX_G_u2p14[0] t_TrqLOA_DiffGainX_G_u2p14[1]	11469
t_TrqLOA_DiffGainX_G_u2p14[1]	12780
t_TrqLOA_DiffGainX_G_u2p14[3]	16384
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	16320
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	16640
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	16960
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	17280
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	17600
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	6554
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1] t TrqLOA HighSpeedTrqBlend Y Uls u1p15[2]	9830 13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	16384
t TrqLOA HighSpeedTrqBlend Y Uls u1p15[4]	19661
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	53248
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	54067
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	56115
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	56934
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	58163
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	60211
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	60621
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	61030 6554
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0] t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	11878
t TrqLOA TempTrqCmdSatYTbl MtrNm u4p12[2]	16794
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	17203
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	20070
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	21709
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	24166
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	24986
t_TrqLOA_X_Kph_u10p6[0]	3136
t_TrqLOA_X_Kph_u10p6[1]	3200
t_TrqLOA_X_Kph_u10p6[2]	3264 3328
t_TrqLOA_X_Kph_u10p6[3] t_TrqLOA_X_Kph_u10p6[4]	3328 3392
t_TrqLOA_X_Kph_u10p6[5]	3456
t_TrqLOA_X_Kph_u10p6[6]	3520
t_TrqLOA_X_Kph_u10p6[7]	3584
target_Rte_Inst_Ap_TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecSq_f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_Igc	target_TrqLOA_Per1_LatAccelValid_Cnt_lgc
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_Igc	target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc





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_TrqLOAAv	rail_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACr	nd_MtrNm_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSp	eedValid_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSp	eed_Kph_f32		
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0.80274868			
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	9.43354797			
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0			
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1			
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-566.920227	-566.920227		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	186.27681	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	<b>✓</b>	
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	✓	
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	1.32299316	1.32299316 ± 0.01	<b>✓</b>	

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_Uis_u1p15[0][0] t2_TrqLOA_DiffGainY_Uis_u1p15[0][1]	8192	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	9503	
	9830	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3] t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	6554	
	8192	
12_TrqLOA_DiffGainY_Uls_u1p15[1][1]	9503	
I2_TrqLOA_DiffGainY_UIs_u1p15[1][2]	9830	
I2_TrqLOA_DiffGainY_UIs_u1p15[1][3]	6554	
12_TrqLOA_DiffGainY_Uls_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	
2_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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News	Insurat Value		
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		
	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]	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]	3648		
	3712		
t_TrqLOA_X_Kph_u10p6[1]			
t_TrqLOA_X_Kph_u10p6[2]	3776 3840		
t_TrqLOA_X_Kph_u10p6[3]			
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_HandwheelAuth	ority_Uls_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecS	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_MotAgLoaMtgtn	En_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_Mtr	RadpS_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_HwD	Deg_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc	target_TrqLOA_Per1_TrqLOAAvail_C	nt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_M	trNm_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSpeedVa		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpeed_k		
target TrgLOA Per1 HandwheelAuthority Uls f32.value	0.55655992	· <del>-</del>	
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		
	1		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc.value			
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	413.821686		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.299987793	0.299987793	~
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.504466712	0.504466712 ± 0.01	✓
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	✓
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	<b>✓</b>
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	1.60487938	1.60487938 ± 0.01	✓
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	<b>✓</b>
	I.	I	

0

0 ± 0.01

target\_TrqLOA\_Per1\_TrqLOACmd\_MtrNm\_f32.value





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_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	0.320883036		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	10		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	0		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	105.865387		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-463.388245		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	383.681519		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.221884102	0.221884087	•
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.496582747	0.496582747 ± 0.01	•
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	•
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	•
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.452805698	0.452805638 ± 0.01	•
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	•
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0	0 ± 0.01	

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





Name	Input Value
t2_TrqLOA_DiffGainY_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
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	15729
t2_TrqLOA_DiffGainY_UIs_u1p15[2][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	13763
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_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_UIs_u1p15[7][2]	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
t_TrqLOA_DiffGainX_G_u2p14[3]	26214
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	21120
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	21440
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	21760
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	22080
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	22400
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	6554
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	16384
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	19661
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	36864
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	37683
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	40960
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	41779
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	45056
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	45875
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	49152
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	49971
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	9011
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	15565
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	19251
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	18432
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	22528
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	24166
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	27853
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	27443
t_TrqLOA_X_Kph_u10p6[0]	4672
t_TrqLOA_X_Kph_u10p6[1]	4736
t_TrqLOA_X_Kph_u10p6[2]	4800
t_TrqLOA_X_Kph_u10p6[3]	4864
t_TrqLOA_X_Kph_u10p6[4]	4928
t_TrqLOA_X_Kph_u10p6[5]	4992
t_TrqLOA_X_Kph_u10p6[6]	5056
t_TrqLOA_X_Kph_u10p6[7]	5120
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecSq_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_Igc

 $target\_TrqLOA\_Per1\_TrqLOACmd\_MtrNm\_f32.value$ 





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	target_TrqLOA_Per1_RelHwPos_HwDeg_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc	target_TrqLOA_Per1_TrqLOAAv	ail_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACn	nd_MtrNm_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_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	0.325643182			
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-9.67909622			
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0			
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1			
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	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	<b>✓</b>	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.605344892	0.605344892 ± 0.01	<b>✓</b>	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	1.1167767	1.1167767 ± 0.01	<b>✓</b>	
TrqLOA_TloaCmd_MtrNm_M_f32	1.1167767	1.1167767 ± 0.01	<b>✓</b>	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.5	0.5 ± 0.01	<b>~</b>	
target TrgLOA Per1 TrgLOAAvail Cnt lgc.value	0	0	<b>✓</b>	

1.1167767

1.1167767 ± 0.01

Name	Input Value	
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA	
TrqLOA LatAccScaleFactor Uls M f32	1	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.649999976	
TrqLOA LatAccelSV g M Str.K Uls f32	0.0425000004	
TrqLOA ScaledMtrTrqCmd MtrNm M f32	-2.67422986	
TrqLOA_TloaCmd_MtrNm_M_f32	5	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-2	
<pre>&lt;_TrqLOA_AbsAssistThreshold_MtrNm_f32</pre>	9.5640955	
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	748.600159	
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-71.7383728	
k TrgLOA DiffScaleRateLimiterRising UlspS f32	27.6928959	
k TrqLOA FallingRampRate UlspS f32	-96.2159729	
k TrgLOA LatAccConversionFactor Uls f32	2.10660577	
k_TrqLOA_LimOutput_MtrNm_f32	8.8000019	
k_TrqLOA_Emoutput_Mannin_i32	1	
k_TrqLOA_MinScaleFactor_Uls_f32	0.268023968	
k_TrqLOA_NomDrvTrq_MtrNm_f32	8.01241589	
k_TrqLOA_RisingRampRate_UlspS_f32	761.766296	
k_TrqLOA_SteerRatio_Uls_f32	51.8408661	
k TrqLOA_Gleen\alio_Gls_i32	0.25	
k TrqLOA_UndersteerGrau_reaupg_lb2	2.65969491	
t2 TrqLOA_WifeGinaSe_W_IS2 t2 TrqLOA DiffGainY Uls u1p15[0][0]	17367	
t2_TrqLOA_DiliGainY_Uis_u1p15[0][0] t2_TrqLOA_DiffGainY_Uis_u1p15[0][1]	19333	
t2_TrqLOA_DillGainY_Uls_u1p15[0][1] t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	21299	
	26214	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	17367	
t2_TrqLOA_DiffGainY_UIs_u1p15[1][0]	19333	
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	21299	
I2_TrqLOA_DiffGainY_UIs_u1p15[1][2]	26214	
I2_TrqLOA_DiffGainY_UIs_u1p15[1][3]		
t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	17367	
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	19333	
12_TrqLOA_DiffGainY_UIs_u1p15[2][2]	21299	
I2_TrqLOA_DiffGainY_UIs_u1p15[2][3]	26214	
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	17367	
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	19333	
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	21299	
2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	26214	
2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	17367	
2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	19333	
2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	21299	
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	26214	
2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	17367	
2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	19333	
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	21299	
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	26214	
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	17367	





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] t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	19333 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		
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] t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	54067 56115		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	56934		
t TrqLOA_LatAccGain Y MtrNmpG_u4p12[4]	58163		
t TrqLOA LatAccGain Y MtrNmpG u4p12[5]	60211		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	60621		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	61030		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	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 5440		
t_TrqLOA_X_Kph_u10p6[4] 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_Handwheel	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 TrgLOA Per1 LatAccelVal		
target Rte Inst Ap TrqLOA.TrqLOA Per1 MotAgLoaMtgtnEn Cnt Igc	target TrqLOA Per1 MotAgLoaM	ItgtnEn Cnt Igc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_	_MtrRadpS_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_	HwDeg_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc	target_TrqLOA_Per1_TrqLOAAva	il_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmo	d_MtrNm_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSpec		
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	-2.9048202		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1 1074 27112		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-1074.27112 154.282684		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	154.282684		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	20.9967651		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.856523275	0.856523275	Result
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.624545872	0.624545872 ± 0.01	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-0.476467371	-0.476467431 ± 0.01	
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	
	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_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	0.820146441		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-5.4794178		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	1123.13818		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	982.462402		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	395.937531		
Name	Actual Value Expected Value	Result	
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.906795561 0.906795561		
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.163966462 ± 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 ± 0.01		
target_TrqLOA_Per1_TrqLOAAvail_Cnt_Igc.value	0 0		
target TrqLOA Per1 TrqLOACmd MtrNm f32.value	0.619687796 0.619687855 ± 0.01		

Name	Input Value	
Rte Inst Ap TrgLOA	target Rte Inst Ap TrqLOA	
TrgLOA LatAccScaleFactor Uls M f32	1	
TrgLOA LatAccelSV g M Str.SV Uls f32	0.150000006	
FrgLOA LatAccelSV q M Str.K Uls f32	0.0434999987	
TrgLOA ScaledMtrTrgCmd MtrNm M f32	8.80000019	
TrgLOA TloaCmd MtrNm M f32	6	
TrqLOA TrqBasedScaleFactor Uls M f32	1.5	
k TrqLOA AbsAssistThreshold MtrNm f32	2.98309565	
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	909.534851	
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-24.0498333	
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	79.0181427	
k_TrqLOA_FallingRampRate_UlspS_f32	-208.018539	
k_TrqLOA_LatAccConversionFactor_Uls_f32	8.6829052	
k_TrqLOA_LimOutput_MtrNm_f32	3.57006645	
k_TrqLOA_MaxScaleFactor_Uls_f32	1	
k_TrqLOA_MinScaleFactor_Uls_f32	1	
k_TrqLOA_NomDrvTrq_MtrNm_f32	0.726554036	
k_TrqLOA_RisingRampRate_UlspS_f32	962.290283	
k_TrqLOA_SteerRatio_Uls_f32	6.56352139	
k_TrqLOA_UndersteerGrad_RadpG_f32	0.25	
k_TrqLOA_Wheelbase_M_f32	3.98621607	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	6554	





Name	Input Value
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	8192
t2 TrqLOA DiffGainY Uls u1p15[0][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	9830
t2_TrqLOA_DiffGainY_UIs_u1p15[1][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	9830
t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	9830
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	9830
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	8192
t2_TrqLOA_DiffGainY_UIs_u1p15[4][2]	9503
t2_TrqLOA_DiffGainY_UIs_u1p15[4][3]	9830
t2_TrqLOA_DiffGainY_UIs_u1p15[5][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3] t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	9830 6554
tz_trqLOA_biffGainY_Uls_u1p15[6][1] t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	9830
t2 TrqLOA DiffGainY Uls u1p15[7][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	9503
t2_TrqLOA_DiffGainY_UIs_u1p15[7][3]	9830
t_TrqLOA_DiffGainX_G_u2p14[0]	3277
t_TrqLOA_DiffGainX_G_u2p14[1]	4096
t_TrqLOA_DiffGainX_G_u2p14[2]	4751
t_TrqLOA_DiffGainX_G_u2p14[3]	4915
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	1920
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	2240
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	2560
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	2880
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	3200
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	6554
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	16384
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	19661
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	20480
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	21299
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	24576
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	25395
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	28672
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5] t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	29491 32768
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	33587
t_TrqLOA_tempTrqCmdSatYTbl_MtrNm_u4p12[0]	11469
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	19251
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	21709
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	19661
t TrqLOA TempTrqCmdSatYTbl MtrNm u4p12[4]	24986
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	26624
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	31539
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	29901
t_TrqLOA_X_Kph_u10p6[0]	6208
t_TrqLOA_X_Kph_u10p6[1]	6272
t_TrqLOA_X_Kph_u10p6[2]	6336
t_TrqLOA_X_Kph_u10p6[3]	6400
t_TrqLOA_X_Kph_u10p6[4]	6464
t_TrqLOA_X_Kph_u10p6[5]	6528
t_TrqLOA_X_Kph_u10p6[6]	6592
t_TrqLOA_X_Kph_u10p6[7]	6656
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecSq_f32
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelValid_Cnt_lgc
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc





Name	Input Value			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrRadp	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_Igc	target_TrqLOA_Per1_TrqLOAAvail_Cnt_lg	jc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_MtrNm	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	0.825533628			
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	0.187185764			
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0			
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1			
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	1207.13953			
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	863.729614			
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	0			
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	157.958984			
Name	Actual Value	Expected Value	Result	
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.951900303	0.951900363	~	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.513088524	0.513088584 ± 0.01	<b>✓</b>	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	4.16939354	4.16939354 ± 0.01	~	
TrqLOA_TloaCmd_MtrNm_M_f32	3.57006645	3.57006645 ± 0.01	<b>✓</b>	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	1.08396292	1.08396292 ± 0.01	<b>✓</b>	
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	<b>✓</b>	
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	3.57006645	3.57006645 ± 0.01	~	

e_Inst_Ap_TrqLOA qLOA_LatAccScaleFactor_Uls_M_f32 qLOA_LatAcceISV_g_M_Str.SV_Uls_f32 qLOA_LatAcceISV_g_M_Str.K_Uls_f32 qLOA_LatAcceISV_g_M_Str.K_Uls_f32 qLOA_ScaledMtrTrqCmd_MtrNm_M_f32 qLOA_TloaCmd_MtrNm_M_f32 qLOA_TrqBasedScaleFactor_Uls_M_f32 TrqLOA_AbsAssistThreshold_MtrNm_f32 TrqLOA_AbsVelThreshold_MtrRadpS_f32 TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32 TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	Input Value target_Rte_Inst_Ap_TrqLOA  1 0.200000003 0.0439999998 8.17687893 6.5 0 6.695158 223.666779
qLOA_LatAccScaleFactor_Uls_M_f32 qLOA_LatAccelSV_g_M_Str.SV_Uls_f32 qLOA_LatAccelSV_g_M_Str.K_Uls_f32 qLOA_ScaledMtrTrqCmd_MtrNm_M_f32 qLOA_TloaCmd_MtrNm_M_f32 qLOA_TrqBasedScaleFactor_Uls_M_f32 TrqLOA_AbsAssistThreshold_MtrNm_f32 TrqLOA_AbsVelThreshold_MtrRadpS_f32 TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	1 0.20000003 0.043999998 8.17687893 6.5 0 6.695158
qLOA_LatAccelSV_g_M_Str.SV_Uls_f32 qLOA_LatAccelSV_g_M_Str.K_Uls_f32 qLOA_ScaledMtrTrqCmd_MtrNm_M_f32 qLOA_TloaCmd_MtrNm_M_f32 qLOA_TrqBasedScaleFactor_Uls_M_f32 TrqLOA_AbsAssistThreshold_MtrNm_f32 TrqLOA_AbsVelThreshold_MtrRadpS_f32 TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	0.20000003 0.043999998 8.17687893 6.5 0 6.695158
qLOA_LatAccelSV_g_M_Str.K_Uls_f32 qLOA_ScaledMtrTrqCmd_MtrNm_M_f32 qLOA_TloaCmd_MtrNm_M_f32 qLOA_TrqBasedScaleFactor_Uls_M_f32 TrqLOA_AbsAssistThreshold_MtrNm_f32 TrqLOA_AbsVelThreshold_MtrRadpS_f32 TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	0.043999998 8.17687893 6.5 0 6.695158
qLOA_ScaledMtrTrqCmd_MtrNm_M_f32 qLOA_TloaCmd_MtrNm_M_f32 qLOA_TrqBasedScaleFactor_Uls_M_f32 TrqLOA_AbsAssistThreshold_MtrNm_f32 TrqLOA_AbsVelThreshold_MtrRadpS_f32 TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	6.5 0 6.695158
qLOA_TloaCmd_MtrNm_M_f32 qLOA_TrqBasedScaleFactor_Uls_M_f32 TrqLOA_AbsAssistThreshold_MtrNm_f32 TrqLOA_AbsVelThreshold_MtrRadpS_f32 TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	6.5 0 6.695158
qLOA_TrqBasedScaleFactor_Uls_M_f32 TrqLOA_AbsAssistThreshold_MtrNm_f32 TrqLOA_AbsVeIThreshold_MtrRadpS_f32 TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	6.695158
TrqLOA_AbsAssistThreshold_MtrNm_f32 TrqLOA_AbsVeIThreshold_MtrRadpS_f32 TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	
TrqLOA_AbsVeIThreshold_MtrRadpS_f32 TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	
TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	
	-63.652092
	90.6142044
TrqLOA FallingRampRate UlspS f32	-905.111084
TrqLOA_raimingramprate_oispo_isz TrqLOA LatAccConversionFactor Uls f32	3.18578172
TrqLOA_LimOutput_MtrNm_f32	4.45736408
TrqLOA_EIIIOutput_MithIII_i32 TrqLOA_MaxScaleFactor_Uls_f32	0.556143165
TrqLOA_MinScaleFactor_UIs_f32	0.31155026
TrqLOA_NomDrvTrq_MtrNm_f32	8.80000019
TrqLOA_RisingRampRate_UlspS_f32	727.072083
TrqLOA_SteerRatio_Uls_f32	77.6913376
TrqLOA_Steenvalio_ois_isz TrqLOA UndersteerGrad RadpG f32	0.25
TrqLOA_UndersieerGrad_txadpG_i32	13.2761326
TrqLOA_Wileelbase_iw_i32 TrqLOA DiffGainY Uls u1p15[0][0]	10158
_TrqLOA_DiliGainY_Uis_u1p15[0][0] _TrqLOA_DiffGainY_Uis_u1p15[0][1]	12124
_TrqLOA_DiliGainY_Uis_u1p15[0][1] _TrqLOA_DiffGainY_Uis_u1p15[0][2]	12780
	13107
_TrqLOA_DiffGainY_Uls_u1p15[0][3] _TrqLOA_DiffGainY_Uls_u1p15[1][0]	10158
	12124
_TrqLOA_DiffGainY_Uls_u1p15[1][1]	12780
_TrqLOA_DiffGainY_Uls_u1p15[1][2]	13107
_TrqLOA_DiffGainY_Uls_u1p15[1][3]	
_TrqLOA_DiffGainY_Uls_u1p15[2][0]	10158
_TrqLOA_DiffGainY_Uls_u1p15[2][1]	12124
_TrqLOA_DiffGainY_Uls_u1p15[2][2]	12780
_TrqLOA_DiffGainY_Uls_u1p15[2][3]	13107
_TrqLOA_DiffGainY_Uls_u1p15[3][0]	10158
_TrqLOA_DiffGainY_Uls_u1p15[3][1]	12124
_TrqLOA_DiffGainY_Uls_u1p15[3][2]	12780
_TrqLOA_DiffGainY_Uls_u1p15[3][3]	13107
_TrqLOA_DiffGainY_Uls_u1p15[4][0]	10158
_TrqLOA_DiffGainY_Uls_u1p15[4][1]	12124
_TrqLOA_DiffGainY_Uls_u1p15[4][2]	12780
_TrqLOA_DiffGainY_Uls_u1p15[4][3]	13107
_TrqLOA_DiffGainY_Uls_u1p15[5][0]	10158
_TrqLOA_DiffGainY_Uls_u1p15[5][1]	12124
_TrqLOA_DiffGainY_Uls_u1p15[5][2]	12780
_TrqLOA_DiffGainY_Uls_u1p15[5][3]	13107
_TrqLOA_DiffGainY_UIs_u1p15[6][0]  Report created by TESSY V3.2.5, report template V2.4	10158

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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_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]	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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Name	Input Value		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	58163		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	60211		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	60621		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	61030		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	13107		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	21709		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	23347		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	20480		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	26624		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	28262		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	33997		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	31539		
t_TrqLOA_X_Kph_u10p6[0]	7232		
t_TrqLOA_X_Kph_u10p6[1]	7296		
t_TrqLOA_X_Kph_u10p6[2]	7360		
t_TrqLOA_X_Kph_u10p6[3]	7424		
t_TrqLOA_X_Kph_u10p6[4]	7488		
t_TrqLOA_X_Kph_u10p6[5]	7552		
t_TrqLOA_X_Kph_u10p6[6]	7616		
t_TrqLOA_X_Kph_u10p6[7]	7680		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecSq_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_Igc	target_TrqLOA_Per1_LatAccelValid_Cnt_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_TrqLOA_Per1_RelHwPos_Hv	<del></del>	
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_VehicleSpeedValid_Cnt_Igc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpeed	_Kpn_t32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	0.652412415 -7.17104101		
target TrqLOA Per1 LatAccelValid Cnt Igc.value	0		
target TrqLOA Per1 MotAgLoaMtgtnEn Cnt Igc.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 Igc.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	Result
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.238877073	0.238877073 ± 0.01	
TrqLOA_LarAccersv_g_wi_sir.sv_ois_is2 TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0.236677073	0.236677073 ± 0.01	
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	
TrqLOA_TrgBasedScaleFactor_Uls_M_f32	-0.634224713	-0.634224713 ± 0.01	
target TrgLOA Per1 TrgLOAAvail Cnt lgc.value	0	0	
target TrgLOA Per1 TrgLOACmd MtrNm f32.value	0	0 0 ± 0.01	
target_frqcon_refr_frqconomic_within_f3z.value	Į <b>v</b>	0 I U.U I	, i

Name	Input Value	
Rte Inst Ap TrqLOA	target Rte Inst Ap TrgLOA	
TrqLOA LatAccScaleFactor Uls M f32	0.506645322	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.300000012	
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0450000018	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-6.66807175	
TrqLOA_TloaCmd_MtrNm_M_f32	7.5	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-0.700403869	
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	7.45697355	
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	949.781738	
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-31.9425945	
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	32.4179688	
k_TrqLOA_FallingRampRate_UlspS_f32	-1000	
k_TrqLOA_LatAccConversionFactor_Uls_f32	2.98353696	
k_TrqLOA_LimOutput_MtrNm_f32	0.512901366	
k_TrqLOA_MaxScaleFactor_Uls_f32	1	
k_TrqLOA_MinScaleFactor_Uls_f32	0.483349204	
k_TrqLOA_NomDrvTrq_MtrNm_f32	4.99718761	
k_TrqLOA_RisingRampRate_UlspS_f32	498.645935	
k_TrqLOA_SteerRatio_Uls_f32	44.6010437	
k_TrqLOA_UndersteerGrad_RadpG_f32	0.208570436	
k_TrqLOA_Wheelbase_M_f32	7.8872447	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	17367	





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





Name	Input Value			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_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	cmd_MtrNm_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleS	peedValid_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleS	peed_Kph_f32		
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	1			
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	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	540.524841		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1	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	<b>✓</b>	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.326862931	0.326862901 ± 0.01	<b>✓</b>	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	<b>✓</b>	
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	<b>✓</b>	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.296888053	0.296887994 ± 0.01	•	
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	1	1	•	
target TrgLOA Per1 TrgLOACmd MtrNm f32.value	0	0 ± 0.01	•	

Name	Input Value	
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA	
FrgLOA LatAccScaleFactor Uls M f32	1	
FrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.349999994	
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0454999991	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	1.49777293	
TrqLOA_TloaCmd_MtrNm_M_f32	8	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.295269966	
TrgLOA AbsAssistThreshold MtrNm f32	9.363307	
TrqLOA AbsVelThreshold MtrRadpS f32	56.798336	
TrgLOA DiffScaleRateLimiterFalling UlspS f32	-61.001091	
TrgLOA DiffScaleRateLimiterRising UlspS f32	98.7214127	
TrqLOA FallingRampRate UlspS f32	0	
TrgLOA LatAccConversionFactor Uls f32	6.27368927	
TrgLOA LimOutput MtrNm f32	8.22940922	
<pre>&lt;_rrqLOA_MaxScaleFactor_Uls_f32</pre>	0.735090733	
<pre>&lt;_TrqLOA_MinScaleFactor_Uls_f32</pre>	1	
<pre>c_rqLOA_NomDrvTrq_MtrNm_f32</pre>	0.917102754	
<pre>&lt;_TrqLOA_RisingRampRate_UlspS_f32</pre>	186.693497	
<pre>&lt;_rrqLOA_SteerRatio_Uls_f32</pre>	39.8788223	
TrgLOA UndersteerGrad RadpG f32	0.25	
<pre>&lt;_rrqLOA_Wheelbase_M_f32</pre>	7.71528864	
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_UIs_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_UIs_u1p15[3][2]	4915	
2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	6226	
2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	655	
2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	2458	
2_TrqLOA_DiliGainY_Uls_u1p15[4][1] 2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	4915	
2_TrqLOA_DiliGainY_Uls_u1p15[4][2] 2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	6226	
.2_TrqLOA_DiliGainY_Uls_u1p15[4][5] :2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	655	
2_TrqLOA_DiliGainY_Uls_u1p15[5][0]	2458	
2_TrqLOA_DiliGainY_Uls_u1p15[5][1] 2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	4915	
2_TrqLOA_DiliGainY_Uls_u1p15[5][2] 2_TrqLOA_DilfGainY_Uls_u1p15[5][3]	6226	
2_TrqLOA_DiliGainY_Uls_u1p15[6][0]	655	

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TrqLOA\_Per1



No	L. Ott.		
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		
	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]	20480		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	21299		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	24576		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	25395		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	28672		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	29491		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	32768		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	33587		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	4096		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	8192		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	14336		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	15974		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	17613		
	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]	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_HandwheelAuth	hority_Uls_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSec	Sq_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target TrqLOA Per1 LatAccelValid	Cnt lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMtgtr		
target Rte Inst Ap TrgLOA.TrgLOA Per1 MtrVelCRF MtrRadpS f32	target_TrqLOA_Per1_MtrVelCRF_Mtr		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_Hw	. –	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOAAvail_0		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_M		
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_		
		.τριισε	
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 UIs f32	0.321418583	0.321418583 ± 0.01	<b>✓</b>
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-0.480407476	-0.480407506 ± 0.01	~
TrqLOA_TloaCmd_MtrNm_M_f32	-0.480407476	-0.480407506 ± 0.01	•
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.668656945	0.668656945 ± 0.01	_
target TrqLOA Per1 TrqLOAAvail Cnt Igc.value	0	0	-
tangot_inquor_i ori_inquoravall_orit_igo.value	·	,	

-0.480407476

target\_TrqLOA\_Per1\_TrqLOACmd\_MtrNm\_f32.value

-0.480407506 ± 0.01



Test Step 2.69 (Repeat Count = 1)	Innuit Value
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_UIs_f32	0.40000006
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0460000001 -5.98117018
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32 TrqLOA_TloaCmd_MtrNm_M_f32	-8
TrqLOA_Troacrid_MitNin_w_is2 TrqLOA_TrqBasedScaleFactor_Uls_M_f32	2
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	4.63728714
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	500.544464
k TrgLOA DiffScaleRateLimiterFalling UlspS f32	-49.6310883
k TrqLOA DiffScaleRateLimiterRising UlspS f32	63.2887993
k TrgLOA FallingRampRate UlspS f32	-500.5
k_TrqLOA_LatAccConversionFactor_Uls_f32	3.92292833
k_TrqLOA_LimOutput_MtrNm_f32	6.08133841
k_TrqLOA_MaxScaleFactor_Uls_f32	1
k_TrqLOA_MinScaleFactor_Uls_f32	0.504637361
k_TrqLOA_NomDrvTrq_MtrNm_f32	5.92160225
k_TrqLOA_RisingRampRate_UlspS_f32	152.770966
k_TrqLOA_SteerRatio_Uls_f32	75.8167191
k_TrqLOA_UndersteerGrad_RadpG_f32	0.25
k_TrqLOA_Wheelbase_M_f32	11.2628651
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	9830
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] t2_TrqLOA_DiffGainY_Uls_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][0]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	9503
t2_rrqLoA_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
12_TrqLOA_DiffGainY_Uls_u1p15[7][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	9830
t_TrqLOA_DiffGainX_G_u2p14[0]	12288
t_TrqLOA_DiffGainX_G_u2p14[1]	13271
t_TrqLOA_DiffGainX_G_u2p14[2]	14909
t_TrqLOA_DiffGainX_G_u2p14[3]	19661
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	9920
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	10240
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	10560
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	10880
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	11200
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	6554
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	16384
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	19661
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	36864
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	37683
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	40960
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	41779





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_Handwhee	elAuthority_Uls_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_Mp	pSecSq_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_Igc	target_TrqLOA_Per1_LatAccelValid_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_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_VehicleSpe	eedValid_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	0.37202704		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-6.50802565		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-466.120972		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	260.477936		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	22.5641785		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.350880086	0.350880086	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.382500827	0.382500827 ± 0.01	•
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	•
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	•
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.998999953	1 ± 0.01	•
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	•
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0	0 ± 0.01	

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





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

target\_TrqLOA\_Per1\_TrqLOACmd\_MtrNm\_f32.value





Name	Input Value		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrRadp	S_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_HwDeg_f	32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgd		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_MtrNm_	_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSpeedValid_0	Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpeed_Kph_f	32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0.915942907		
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	<b>✓</b>
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_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	<b>✓</b>

-0

0 ± 0.01

Test Step 2.71 (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	0.60000024
·	0.0480000004
TrqLOA_LatAccelSV_g_M_Str.K_UIs_f32	-7.12119102
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-7.12119102 -7
TrqLOA_TloaCmd_MtrNm_M_f32	2
TrqLOA_AbaAssidThreshold_Mthles_632	10
<_TrqLOA_Abs\sistThreshold_MtrNm_f32	
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	992.637268
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-38.2450409
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	17.5841713
k_TrqLOA_FallingRampRate_UlspS_f32	-548.188599
k_TrqLOA_LatAccConversionFactor_Uls_f32	4.4588685
k_TrqLOA_LimOutput_MtrNm_f32	3.571872
k_TrqLOA_MaxScaleFactor_Uls_f32	1
k_TrqLOA_MinScaleFactor_Uls_f32	1
k_TrqLOA_NomDrvTrq_MtrNm_f32	7.36693668
k_TrqLOA_RisingRampRate_UlspS_f32	1000
<_TrqLOA_SteerRatio_Uls_f32	49.0706635
k_TrqLOA_UndersteerGrad_RadpG_f32	0.25
k_TrqLOA_Wheelbase_M_f32	1.79803026
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
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
12_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
	ļ. <del></del>
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]  © Report created by TESSY V3.2.5, report template V2.4	13763

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Name	Input Value		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	15729		
t2_TrqLOA_DiffGainY_UIs_u1p15[6][2]	17039		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	19661		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	13763		
t2_TrqLOA_DiffGainY_UIs_u1p15[7][1]	15729		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	17039		
t2_TrqLOA_DiffGainY_UIs_u1p15[7][3]	19661 15892		
t_TrqLOA_DiffGainX_G_u2p14[0] t_TrqLOA_DiffGainX_G_u2p14[1]	16876		
t_TrqLOA_DiffGainX_G_u2p14[1]	19169		
t_TrqLOA_DiffGainX_G_u2p14[3]	26214		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	13120		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	13440		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	13760		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	14080		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	14400		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	9830		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	13107		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	16384		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	19661		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	22938		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	4096		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	4915		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	8192		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	9011		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	12288		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	13107		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	16384		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	17203		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	6554		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	11878		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	16794 17203		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3] t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	20070		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	21709		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	24166		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	24986		
t_TrqLOA_X_Kph_u10p6[0]	9792		
t_TrqLOA_X_Kph_u10p6[1]	9856		
t_TrqLOA_X_Kph_u10p6[2]	9920		
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_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	/ltgtnEn_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_		
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	1.14730155		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1 -762.080994		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	939.793945		
target_TrqLOA_Per1_ReiHwPos_HwDeg_132.value target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	939.793945		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	434.329437		
Name	Actual Value	Exported Value	Posult
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.923509896	0.923509896	Result
TrqLOA_LatAcceScaleFactor_UIs_M_f32 TrqLOA_LatAcceISV_g_M_Str.SV_UIs_f32	0.923509896	0.923509896 0.635068953 ± 0.01	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0.633066953	0.635066953 ± 0.01	
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	
	1	1 ± 0.01	
TrqLOA TrqBasedScaleFactor Uls M f32			
TrqLOA_TrqBasedScaleFactor_Uls_M_f32 target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	





Test Step 2.72 (Repeat Count = 1)	
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
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0485000014
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-5.76398754
TrqLOA_TloaCmd_MtrNm_M_f32	-6.5
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 k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	-25.6837158 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] 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]	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_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 21299
t2_TrqLOA_DiffGainY_UIs_u1p15[6][2] t2_TrqLOA_DiffGainY_UIs_u1p15[6][3]	21299
t2_TrqLOA_DiliGainY_UIs_u1p15[0][0]	17367
t2 TrqLOA DiffGainY Uls u1p15[7][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	21299
t2_TrqLOA_DiffGainY_UIs_u1p15[7][3]	26214
t_TrqLOA_DiffGainX_G_u2p14[0]	17695
t_TrqLOA_DiffGainX_G_u2p14[1]	18678
t_TrqLOA_DiffGainX_G_u2p14[2]	21299
t_TrqLOA_DiffGainX_G_u2p14[3]	29491
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	14720
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	15040
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	15360 15680
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3] t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	16000
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	16384
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	19661
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	22938
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	20480
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	21299
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	24576
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	25395





Name	Input Value		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	28672		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	29491		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	32768		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	33587		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	7373		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	13107		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	17613		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	17613		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	20890		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	22528		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	25395		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	25805		
t_TrqLOA_X_Kph_u10p6[0]	10304		
t_TrqLOA_X_Kph_u10p6[1]	10368		
t_TrqLOA_X_Kph_u10p6[2]	10432		
t_TrqLOA_X_Kph_u10p6[3]	10496		
t_TrqLOA_X_Kph_u10p6[4]	10560		
t_TrqLOA_X_Kph_u10p6[5]	10624		
t_TrqLOA_X_Kph_u10p6[6]	10688		
t_TrqLOA_X_Kph_u10p6[7]	10752		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecSq_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_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		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc	target_TrqLOA_Per1_VehicleSp		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSp	peed_Kph_f32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0.522736549		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	1.15578187		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	0		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	1699.8855		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-644.580872		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	469.095764		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.529998779	0.529998779	•
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.588741004	0.588741064 ± 0.01	•
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	•
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	•
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	1	1 ± 0.01	•
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	•
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0	0 ± 0.01	•

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





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

target\_TrqLOA\_Per1\_TrqLOACmd\_MtrNm\_f32.value





Name	Input Value		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrRadps	S_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_HwDeg_f3	32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc	;	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_MtrNm_	_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSpeedValid_C	Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpeed_Kph_f3	32	
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][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[3][3] rqLOA_DiffGainY_Uls_u1p15[3][3]	0193
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][3] 9830 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][2] 9503 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][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[3][3] 9830	
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][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][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][2]       9503         rqLOA_DiffGainY_Uls_u1p15[3][3]       9830         rqLOA_DiffGainY_Uls_u1p15[3][3]       9830         rqLOA_DiffGainY_Uls_u1p15[4][0]       6554	5764
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][2]       9503         qLOA_DiffGainY_Uls_u1p15[2][2]       9503         qLOA_DiffGainY_Uls_u1p15[2][3]       9830         qLOA_DiffGainY_Uls_u1p15[3][0]       6554         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][3]       9830         qLOA_DiffGainY_Uls_u1p15[3][3]       9830         qLOA_DiffGainY_Uls_u1p15[4][0]       6554	
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	
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][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][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][1] 8192 rqLOA_DiffGainY_Uls_u1p15[1][2] 9503 rqLOA_DiffGainY_Uls_u1p15[1][2] 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][2] 9830 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][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][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	

@ Report created by TESSY V3.2.5, report template V2.4





Name	Input Value		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	8192		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	9503		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	9830		
t2_TrqLOA_DiffGainY_UIs_u1p15[7][0]	6554		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	8192		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	9503		
t2_TrqLOA_DiffGainY_UIs_u1p15[7][3]	9830		
t_TrqLOA_DiffGainX_G_u2p14[0]	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 18560		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2] 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		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	56115		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	56934		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	58163		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	60211		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	60621		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	61030		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	9011		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	15565		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	19251		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	18432 22528		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	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]	11328		
t_TrqLOA_X_Kph_u10p6[1]	11392		
t TrgLOA 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_HandwheelA	Authority_Uls_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpS	<u> </u>	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	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_h	<del></del>	
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_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_TrqLOACmd target TrqLOA Per1 VehicleSpee		
target_Rte_inst_Ap_TrqLOA.TrqLOA_Peri_venicleSpeedvalid_Cnt_igc target_Rte_inst_Ap_TrqLOA.TrqLOA_Peri_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpee	<del>-</del>	
target TrqLOA Per1 HandwheelAuthority Uls f32.value	0.757805109		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	6.69891167		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.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)	Innut Value
Name  Bto Jost An Tred 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	0.192929626 0.200000003
TrqLOA_LatAccelSV_g_M_Str.SV_0is_is2 TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0500000007
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-3.24785995
TrqLOA_StateUMt TrqClfid_MttNII_M_132 TrqLOA_TloaCmd_MtrNm_M_f32	-5.24700393
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
k_TrqLOA_LatAccConversionFactor_Uls_f32	7.26113749
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_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 13107
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3] t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	10158
t2_TrqLOA_DiliGainY_Uls_u1p15[4][1]	12124
t2_TrqLOA_DiliGainY_Uls_u1p15[4][1] t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	12780
t2_rrqLOA_biffGainY_bis_urp15[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]	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
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]	9830		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	16794		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	20070		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	18842		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	23347		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	24986		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	29082		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	28262		
t_TrqLOA_X_Kph_u10p6[0]	11840		
t_TrqLOA_X_Kph_u10p6[1]	11904		
t_TrqLOA_X_Kph_u10p6[2]	11968		
t_TrqLOA_X_Kph_u10p6[3]	12032		
t_TrqLOA_X_Kph_u10p6[4]	12096		
t_TrqLOA_X_Kph_u10p6[5]	12160		
t_TrqLOA_X_Kph_u10p6[6]	12224		
t_TrqLOA_X_Kph_u10p6[7]	12288		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecSq_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_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_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	0.579330087		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	10		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	0		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	1213.04968		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-780.763367		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	139.815399		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.38178587	0.38178584	•
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.0591392368	0.0591392331 ± 0.01	•
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	•
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	•
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	1.89323843	1.89323843 ± 0.01	•
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	•
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0	0 ± 0.01	

Name	Input Value	
Rte_Inst_Ap_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	0.0505000018	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-3.5202601	
TrqLOA_TloaCmd_MtrNm_M_f32	-4.5	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	1.33790362	
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	2.89446616	
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	157.472565	
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-48.3060532	
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	17.9938412	
k_TrqLOA_FallingRampRate_UlspS_f32	-768.387695	
k_TrqLOA_LatAccConversionFactor_Uls_f32	0.781621635	
k_TrqLOA_LimOutput_MtrNm_f32	6.82871485	
k_TrqLOA_MaxScaleFactor_Uls_f32	1	
k_TrqLOA_MinScaleFactor_Uls_f32	0.6190238	
k_TrqLOA_NomDrvTrq_MtrNm_f32	2.43173671	
k_TrqLOA_RisingRampRate_UlspS_f32	754.496765	
k_TrqLOA_SteerRatio_Uls_f32	58.7333565	
k_TrqLOA_UndersteerGrad_RadpG_f32	0.25	
k_TrqLOA_Wheelbase_M_f32	3.76469874	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	13763	





Name	Input Value
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	15729
t2_TrqLOA_DiffGainY_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	lpS_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_l	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	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	<b>✓</b>
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.6190238	0.6190238 ± 0.01	<b>✓</b>
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	<b>✓</b>
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0.175858855	0.175858811 ± 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_Uls_f32	0.30000012
FrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.050999999
FrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	4.97012091
FrqLOA_TloaCmd_MtrNm_M_f32	-4
FrqLOA_TrqBasedScaleFactor_Uls_M_f32	-0.521495759
<pre>c_TrqLOA_AbsAssistThreshold_MtrNm_f32</pre>	5.38597393
	399.039459
C_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-13.433363
C_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	52.6879501
c_TrqLOA_FallingRampRate_UlspS_f32	-393.751373
c_TrqLOA_LatAccConversionFactor_Uls_f32	5.18942642
c_TrqLOA_LimOutput_MtrNm_f32	7.32739162
c_TrqLOA_MaxScaleFactor_Uls_f32	1
c_TrqLOA_MinScaleFactor_Uls_f32	0.606269717
c_TrqLOA_NomDrvTrq_MtrNm_f32	8.80000019
C_TrqLOA_RisingRampRate_UlspS_f32	748.655151
<_TrqLOA_SteerRatio_Uls_f32	86.64814
C_TrqLOA_UndersteerGrad_RadpG_f32	0.25
c_TrqLOA_Wheelbase_M_f32	1.35590708
2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	17367
2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	19333
2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	21299
2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	26214
2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	17367
2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	19333
2 TrqLOA DiffGainY Uls u1p15[1][2]	21299
2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	26214
2 TrqLOA DiffGainY Uls 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][1]	21299
z_rrqLOA_DiliGalirt_dis_u1p15[5][2] 2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	26214
2_TrqLOA_DiffGainY_UIs_u1p15[6][0]	17367

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Name	Input Value		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	· ·		
t2 TrqLOA DiffGainY Uls u1p15[6][2]	19333 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_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 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_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	-8.2390604		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	-8.2390604 1		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	696.445374		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	476.985565		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	46.6391907		
Name	Actual Value	Expected Value	Result
		·	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.973133266	0.973133266	· ·
TrqLOA_LatAccelSV_g_M_Str.SV_UIs_f32	0.299582779	0.299582779 ± 0.01	- J
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	Ž
TrqLOA_TloaCmd_MtrNm_M_f32	0 000000717	0 ± 0.01	- J
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)	Innut Value
Name Rte_Inst_Ap_TrqLOA	Input Value target_Rte_Inst_Ap_TrqLOA
TrqLOA_LatAccScaleFactor_Uls_M_f32	1
TrqLOA LatAccelSV g M Str.SV Uls f32	0.349999994
TrqLOA_LatAccelSV g M Str.K_Uls_f32	0.0515000001
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	1.81693447
TrqLOA_TloaCmd_MtrNm_M_f32	-3.5
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-0.574706316
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	9.75135612
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	134.942993
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-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_withtin_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_DiliGainY_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 6226
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3] t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	655
t2_frqLOA_DiffGainY_Uls_u1p15[5][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	2458
t2_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 6226
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3] t TrqLOA DiffGainX G u2p14[0]	10486
t_rrqLOA_biirGainX_G_u2p14[0] t_rrqLOA_biffGainX_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]	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		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	61030		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	12288		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	20480		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	22528		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	20070		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	25805		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	27443		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	32768		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	30720		
t_TrqLOA_X_Kph_u10p6[0]	13376		
t_TrqLOA_X_Kph_u10p6[1]	13440		
t_TrqLOA_X_Kph_u10p6[2]	13504		
t_TrqLOA_X_Kph_u10p6[3]	13568		
t_TrqLOA_X_Kph_u10p6[4]	13632		
t_TrqLOA_X_Kph_u10p6[5]	13696		
t_TrqLOA_X_Kph_u10p6[6]	13760		
t_TrqLOA_X_Kph_u10p6[7]	13824		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecSq_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelValid_Cnt_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_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	
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.0926550627	
TrqLOA_LatAccelSV_g_M_Str.SV_UIs_f32	0.40000006	
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0520000011	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-5.6898756	
TrqLOA_TloaCmd_MtrNm_M_f32	-3	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-0.0833485723	
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	7.19799519	
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	734.1073	
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-23.7477036	
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	18.2220573	
k_TrqLOA_FallingRampRate_UlspS_f32	-177.198669	
k_TrqLOA_LatAccConversionFactor_Uls_f32	7.82510281	
k_TrqLOA_LimOutput_MtrNm_f32	5.2956357	
k_TrqLOA_MaxScaleFactor_Uls_f32	0.964477897	
k_TrqLOA_MinScaleFactor_Uls_f32	1	
k_TrqLOA_NomDrvTrq_MtrNm_f32	3.61352849	
k_TrqLOA_RisingRampRate_UlspS_f32	496.163788	
k_TrqLOA_SteerRatio_Uls_f32	66.1058121	
k_TrqLOA_UndersteerGrad_RadpG_f32	0.25	
k_TrqLOA_Wheelbase_M_f32	14.8917131	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	6554	





Name	Input Value
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_UIs_u1p15[1][3]	9830
t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	8192
t2_TrqLOA_DiffGainY_UIs_u1p15[2][2]	9503
t2_TrqLOA_DiffGainY_UIs_u1p15[2][3]	9830
t2_TrqLOA_DiffGainY_UIs_u1p15[3][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	9830
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	9830
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	9830
t2_TrqLOA_DiffGainY_UIs_u1p15[6][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	8192
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]	640
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	1280
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	1920
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	2560
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	3200
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	16384
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	19661
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	22938
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	4096
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	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_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

 $target\_TrqLOA\_Per1\_TrqLOAAvail\_Cnt\_lgc.value\\ target\_TrqLOA\_Per1\_TrqLOACmd\_MtrNm\_f32.value\\$ 

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_Igc	target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgo		
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_f	32	
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_UIs_f32	0.372379482	0.372379482 ± 0.01	<b>✓</b>
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	•
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	<b>✓</b>
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.908979058	0.908978999 ± 0.01	•

0

0

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 HqGritia_intrini_ini_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_AbsverTiflesHold_wittRadpS_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		
	1.31709409	
C_TrqLOA_LimOutput_MtrNm_f32	6.46497059 0.195761919	
TrqLOA_MaxScaleFactor_Uls_f32	1	
c_TrqLOA_MinScaleFactor_Uls_f32		
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_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] t_TrqLOA_DiffGainX_G_u2p14[2]	15073 17039		
t TrqLOA DiffGainX G u2p14[3]	22938		
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]	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		
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	al Authority I II a 122	
target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_HandwheelAuthority_UIs_f32	target_TrqLOA_Per1_Handwhee	·	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32 target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAcc_M		
target Rte Inst Ap TrqLOA.TrqLOA Per1 MotAgLoaMtgtnEn Cnt Igc	target_TrqLOA_Per1_LatAccelV target_TrqLOA_Per1_MotAgLoa	•	
target Rte Inst Ap TrqLOA.TrqLOA Per1 MtrVelCRF MtrRadpS f32	target_TrqLOA_Per1_MotAgLoa		
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_TrqLOACr		
target Rte Inst Ap TrqLOA.TrqLOA Per1 VehicleSpeedValid Cnt Igc	target_TrqLOA_Per1_VehicleSp		
target Rte Inst Ap TrgLOA.TrgLOA Per1 VehicleSpeed Kph f32	target_TrqLOA_Per1_VehicleSp		
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0.195947647		
target TrgLOA 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_lgc.value	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	375.299133		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.85977453	0.85977453	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.276093841	0.276093841 ± 0.01	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-5.29633284	-5.29633284 ± 0.01	
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_frqLOA_refr_frqLOAAvaii_Offt_igc.value			





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





Name	Input Value		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	45056		
t TrgLOA LatAccGain Y MtrNmpG u4p12[5]	45875		
t TrqLOA LatAccGain Y MtrNmpG u4p12[6]	49152		
t TrgLOA 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_Igc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc	target_TrqLOA_Per1_VehicleSpee	dValid_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpee	d_Kph_f32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	1		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	3.51402378		
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	

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TrqLOA\_Per1



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



TrqLOA\_Per1

Name	Input Value		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCF	RF_MtrRadpS_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPo	s_HwDeg_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc	target_TrqLOA_Per1_TrqLOAA	vail_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOAC	Cmd_MtrNm_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleS	peedValid_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleS	peed_Kph_f32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	1		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-6.56730986		
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	<b>✓</b>
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.533536494	0.533536434 ± 0.01	<b>✓</b>
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	<b>✓</b>
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	<b>✓</b>
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.205618978	0.205618933 ± 0.01	<b>✓</b>
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	<b>✓</b>
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	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>&lt;_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_DillGainY_Uls_u1p15[0][0] t2_TrqLOA_DiffGainY_Uls_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_Uls_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	





	1		
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_UIs_u1p15[7][2]	4915		
	6226		
t2_TrqLOA_DiffGainY_UIs_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]	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		
	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]	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		
	5734		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]			
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		
	16256		
t_TrqLOA_X_Kph_u10p6[5]			
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_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	ılid_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		
	1	.ου_πριτ_1ο <u>ν</u>	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value			
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_lgc.value	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	451.074432		
Name	Actual Value	Expected Value	Result
TrqLOA LatAccScaleFactor Uls M f32	0.939912975	0.939912975	_
TrgLOA LatAccelSV g M Str.SV Uls f32	0.52960062	0.52960062 ± 0.01	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-2.87247229	-2.87247229 ± 0.01	
TrqLOA_TloaCmd_MtrNm_M_f32	-0.519612968 0.739976227	-0.519612968 ± 0.01	
		0.739976227 ± 0.01	<b>✓</b>
TrqLOA_TrqBasedScaleFactor_Uls_M_f32		0	
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0 -0.519612968	0 -0.519612968 ± 0.01	~





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

 $target\_Rte\_Inst\_Ap\_TrqLOA.TrqLOA\_Per1\_VehicleSpeed\_Kph\_f32$ 

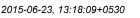
target\_TrqLOA\_Per1\_HandwheelAuthority\_Uls\_f32.value target\_TrqLOA\_Per1\_LatAcc\_MpSecSq\_f32.value

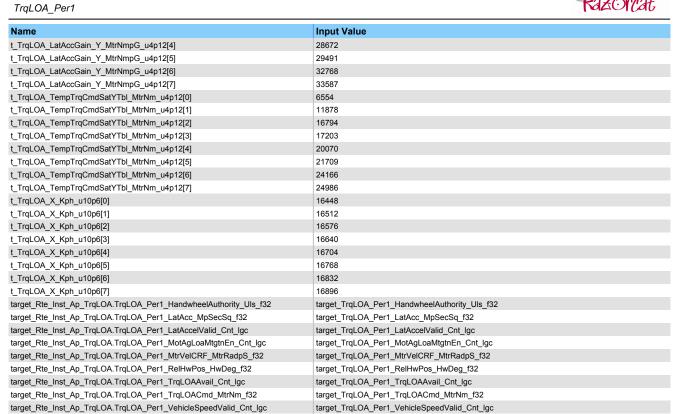
target TrqLOA Per1 LatAccelValid Cnt Igc.value

target\_TrqLOA\_Per1\_RelHwPos\_HwDeg\_f32.value

 $target\_TrqLOA\_Per1\_MotAgLoaMtgtnEn\_Cnt\_lgc.value$ 

target\_TrqLOA\_Per1\_MtrVelCRF\_MtrRadpS\_f32.value





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	<b>✓</b>
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	<b>✓</b>
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	<b>✓</b>
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.647754431	0.647754431 ± 0.01	<b>✓</b>
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	✓
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0	0 ± 0.01	~

-3 14655781

-1073.65491

-174 705765

0

O

target\_TrqLOA\_Per1\_VehicleSpeed\_Kph\_f32

Test Step 2.85 (Repeat Count = 1)	
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	0.100000001
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

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Input Value
12124
12780
13107
10158
12124
12780
13107
10158
12124
12780
13107
10158
12124 12780
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10158
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12780
13107
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13107
10158
12124
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_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_TrqLOACr	md_MtrNm_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc	target_TrqLOA_Per1_VehicleSp	eedValid_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSp	eed_Kph_f32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	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	<b>✓</b>
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	<b>✓</b>
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	<b>✓</b>
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	0.454035282	
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	
<pre>&lt;_TrqLOA_AbsAssistThreshold_MtrNm_f32</pre>	1.20553124	
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	85.9290466	
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-5.70244408	
k TrgLOA DiffScaleRateLimiterRising UlspS f32	57.5687294	
k TrqLOA FallingRampRate UlspS f32	-190.925446	
k TrgLOA LatAccConversionFactor Uls f32	0.856612802	
k_TrqLOA_LimOutput_MtrNm_f32	5.18634176	
k_TrqLOA_LiniOdiput_Mithin_i32	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_Gleen\alio_Gls_i32	0.25	
k TrqLOA_UndersteerGrau_reaupg_lb2	20	
t2 TrqLOA_WifeGinaSe_W_IS2 t2 TrqLOA DiffGainY Uls u1p15[0][0]	13763	
t2_TrqLOA_DillGainY_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] t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	13763	
	15729	
12_TrqLOA_DiffGainY_Uls_u1p15[1][1]	17039	
I2_TrqLOA_DiffGainY_UIs_u1p15[1][2]	19661	
I2_TrqLOA_DiffGainY_UIs_u1p15[1][3]		
12_TrqLOA_DiffGainY_UIs_u1p15[2][0]	13763	
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	15729	
12_TrqLOA_DiffGainY_UIs_u1p15[2][2]	17039	
2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	19661 13763	
12_TrqLOA_DiffGainY_Uls_u1p15[3][0]		
12_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	
12_TrqLOA_DiffGainY_UIs_u1p15[4][3]	19661	
t2_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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TrqLOA\_Per1

Name	Input Value	
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	15729	
t2_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][1]	15729	
2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	17039	
2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	19661	
_TrqLOA_DiffGainX_G_u2p14[0]	6881	
_TrqLOA_DiffGainX_G_u2p14[1]	7864	
_TrqLOA_DiffGainX_G_u2p14[2]	8520	
_TrqLOA_DiffGainX_G_u2p14[3]	9830	
_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	5120	
_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	5440	
:_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	5760	
_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	6080	
_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	6400	
_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	6554	
TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	9830	
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	13107	
_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	16384	
_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	19661	
_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	53248	
_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	54067	
_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	56115	
TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	56934	
TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	58163	
_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	60211	
_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	60621	
_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	61030	
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	8192	
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	14336	
:_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	18432	
:_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	18022	
:_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	
:_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	
_TrqLOA_X_Kph_u10p6[4]	05000	
_TrqLOA_X_Kph_u10p6[5]	25600	
_TrqLOA_X_Kph_u10p6[6]	25600	
_TrqLOA_X_Kph_u10p6[7]	25600	
arget_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32	
arget_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecSq_f32	
arget_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_Igc	target_TrqLOA_Per1_LatAccelValid_Cnt_lgc	
arget_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_Igc	target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	
arget_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	
arget_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_Igc	target_TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	
arget_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	targ&93%LOM_Per1_VehicleSpeed_Kph_f32	
arget_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	1	
arget_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	8.98322487	
arget_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	1	
arget_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	
	0	
arget_rrqLOA_Ferr_verificeopeeu_npri_loz.value	510.110107	
Name	Actual Value Expected Value	Resul

TrqLOA\_LatAccSca bl





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





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		
	18240		
t_TrqLOA_X_Kph_u10p6[5]	18304		
_TrqLOA_X_Kph_u10p6[6]	18368		
_TrqLOA_X_Kph_u10p6[7]	18432		
arget_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuth	hority_Uls_f32	
arget_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	
arget_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMtgtr	nEn_Cnt_lgc	
arget_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_Mtr	rRadpS_f32	
arget_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	
arget_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_M	/ltrNm_f32	
arget_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSpeedV	/alid_Cnt_lgc	
arget_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpeed_	Kph_f32	
arget_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	1		
arget_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	8.20080757		
arget_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0		
arget_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1		
arget_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	854.247864		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-370.513214		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	121.660004		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.9664855	0.9664855	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.174875259	0.174875259 ± 0.01	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-0.580066741	-0.580066741 ± 0.01	
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	
target 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	
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	8.94236755	
k_TrqLOA_LimOutput_MtrNm_f32	7.69696569	
k_TrqLOA_MaxScaleFactor_Uls_f32	0.534538507	
k_TrqLOA_MinScaleFactor_Uls_f32	1	
k_TrqLOA_NomDrvTrq_MtrNm_f32	2.24155235	
k_TrqLOA_RisingRampRate_UlspS_f32	618.881165	
k_TrqLOA_SteerRatio_Uls_f32	65.6973495	
k_TrqLOA_UndersteerGrad_RadpG_f32	0.25	
k_TrqLOA_Wheelbase_M_f32	19.3650894	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	655	

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TrqLOA\_Per1



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





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	0.86052227		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	2.73842812		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-879.002319		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	982.454895		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	25.6040649		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.0166650452	0.0166650433	~
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.239557073	0.239557073 ± 0.01	<b>✓</b>
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	<b>✓</b>
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	<b>✓</b>
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.65038228	0.650382221 ± 0.01	<b>✓</b>
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	<b>✓</b>
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0	0 ± 0.01	<b>✓</b>

Name	Input Value	
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA	
TrqLOA LatAccScaleFactor Uls M f32	1	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.300000012	
TrqLOA LatAccelSV g M Str.K Uls f32	0.057	
TrqLOA ScaledMtrTrqCmd MtrNm M f32	-0.0367079154	
TrqLOA_TloaCmd_MtrNm_M_f32	2	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	1.08809543	
<pre>&lt;_TrqLOA_AbsAssistThreshold_MtrNm_f32</pre>	4.15189934	
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	899.73584	
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-47.5227737	
TrgLOA DiffScaleRateLimiterRising UlspS f32	48.2107315	
TrgLOA FallingRampRate UlspS f32	-920.471436	
TrqLOA_I alling tampitate_olspo_ls2 TrqLOA LatAccConversionFactor Uls f32	6.26204729	
<pre>&lt;_TrqLOA_LimOutput_MtrNm_f32</pre>	8.71106529	
<pre>&lt;_frqLOA_Limouput_MuMii_i32</pre> <pre>&lt;_frqLOA_MaxScaleFactor_Uls_f32</pre>	0.624129891	
<pre>&lt;_frqLOA_MinScaleFactor_Uls_f32</pre>	1	
<pre>&lt;_TrqLOA_NomDrvTrq_MtrNm_f32</pre>	6.76092386	
<pre>c_rrqLOA_RisingRampRate_UlspS_f32</pre>	200.202011	
<pre>&lt;_rrqLOA_SteerRatio_Uls_f32</pre>	18.3684654	
TrqLOA_SteerNatio_Gis_i32 TrqLOA UndersteerGrad RadpG f32	0.12909539	
CTrqLOA_OndersteerGrau_NaupG_I32	11.024827	
2 TrqLOA DiffGainY Uls u1p15[0][0]	6554	
2_TrqLOA_DiliGainY_Uls_u1p15[0][0] 2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	8192	
2_TrqLOA_DiliGainY_Uls_u1p15[0][1] 2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	9503	
	9830	
2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	6554	
2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	8192	
2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	9503	
2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	9830	
2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	6554	
2_TrqLOA_DiffGainY_Uls_u1p15[2][0]		
2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	8192	
2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	9503	
2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	9830	
2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	6554	
2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	8192	
2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	9503	
2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	9830	
2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	6554	
2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	8192	
2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	9503	
2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	9830	
I2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	6554	
2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	8192	
2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	9503	
2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	9830	
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	6554	

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Manua.	Innut Value		
Name	Input Value		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	8192		
t2_TrqLOA_DiffGainY_UIs_u1p15[6][2]	9503		
t2_TrqLOA_DiffGainY_UIs_u1p15[6][3]	9830		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	6554		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	8192		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	9503		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	9830		
t_TrqLOA_DiffGainX_G_u2p14[0]	12288		
t_TrqLOA_DiffGainX_G_u2p14[1]	13271		
t_TrqLOA_DiffGainX_G_u2p14[2]	14909		
t_TrqLOA_DiffGainX_G_u2p14[3]	19661		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	9920		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	10240		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	10560		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	10880		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	11200		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	6554		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	9830		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	13107		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	16384		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	19661		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	36864		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	37683		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	40960		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	41779		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	45056		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	45875		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	49152		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	49971		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	10650		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	18022		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	20890		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	19251		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	24166		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	25805		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	30310		
t_TrqLOA_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_HandwheelAuthori	ty_Uls_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecSq_	_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelValid_Cnt	_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_MtrRa	dpS_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_HwDeg		
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	-	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc	target_TrqLOA_Per1_VehicleSpeedValid		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpeed_Kph		
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
		•	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.904954433	0.904954433	•
TrqLOA_LatAccelSV_g_M_Str.SV_UIs_f32 TrqLOA_ScaledMtrTrqCmd_MtrNlm_M_f32	0.324104011	0.324103981 ± 0.01	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	•
TrqLOA_TloaCmd_MtrNm_M_f32 TrqLOA_TrqRacedScaleFactor_Lile_M_f32	1	0 ± 0.01	
TrqLOA_TrqBasedScaleFactor_UIs_M_f32		1 ± 0.01	<b>V</b>
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	~

0

0 ± 0.01

target\_TrqLOA\_Per1\_TrqLOACmd\_MtrNm\_f32.value





Test Step 2.90 (Repeat Count = 1)	
Name	Input Value
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA
TrqLOA_LatAccScaleFactor_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_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelValid_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_HwDeg_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOAAvail_Cnt_Igc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc	target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpeed_Kph_f32		
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	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	e Result	
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.319880247 0.319880277	•	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.313625991 0.313626021 ± 0.0	)1	
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	
<pre>&lt;_TrqLOA_MaxScaleFactor_Uls_f32</pre>	0.416683078	
<pre>&lt;_TrqLOA_MinScaleFactor_Uls_f32</pre>	1	
<pre>&lt;_TrqLOA_NomDrvTrq_MtrNm_f32</pre>	8.11925507	
<pre>&lt;_TrqLOA_RisingRampRate_UlspS_f32</pre>	636.934875	
<pre>&lt;_TrqLOA_SteerRatio_Uls_f32</pre>	23.6102524	
<pre>&lt;_TrqLOA_UndersteerGrad_RadpG_f32</pre>	0.050837025	
k_TrqLOA_Wheelbase_M_f32	16.4986668	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	13763	





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



TrqLOA\_Per1

Name	Input Value		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_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_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	dValid_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpeed	d_Kph_f32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	1		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-4.99093819		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	0		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-1006.96851		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-166.982742		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	111.591278		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.143031076	0.143031076	~
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.344146997	0.344146967 ± 0.01	<b>✓</b>
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	✓
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	<b>✓</b>
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	<u> </u>

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_caledMtrTrqCmd MtrNm M f32	-6.31325054	
TrqLOA_TloaCmd_MtrNm_M_f32	3.5	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-1.35702264	
<pre>&lt;_TrqLOA_AbsAssistThreshold_MtrNm_f32</pre>	4.46745205	
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	315.445374	
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	0	
k TrqLOA DiffScaleRateLimiterRising UlspS f32	13.651783	
k TrqLOA_DIII3Calet\ateLiimler\asiig_Oisp3_i32	-583.929688	
k TrqLOA_1 allingramproate_disp3_132	0.662795782	
k_TrqLOA_LimOutput_MtrNm_f32	3.74312067	
k_TrqLOA_LimOutput_MtiNin_i32 k_TrqLOA_MaxScaleFactor_Uls_f32	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_UndersteerGrad_RadpG_f32	0.25	
k_TrqLOA_Wheelbase_M_f32	14.1650209	
12_TrqLOA_DiffGainY_Uls_u1p15[0][0]	17367	
12_TrqLOA_DiffGainY_UIs_u1p15[0][1]	19333	
I2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	21299	
I2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	26214	
l2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	17367	
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	19333	
2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	21299	
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	26214	
t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	17367	
2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	19333	
l2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	21299	
2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	26214	
2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	17367	
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	19333	
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	21299	
2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	26214	
2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	17367	
12_TrqLOA_DiffGainY_Uls_u1p15[4][1]	19333	
t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	21299	
2_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	





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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_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		
	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		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	29491		
t TrqLOA LatAccGain Y MtrNmpG u4p12[6]	32768		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	33587		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	13107		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	21709		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	23347		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	20480		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	26624		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	28262		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	33997		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	31539		
t_TrqLOA_X_Kph_u10p6[0]	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]	20928		
t_TrqLOA_X_Kph_u10p6[7]			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_Handwhee		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_Mp		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelVa	alid_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoal	MtgtnEn_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF	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_TrqLOAAva		
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		
target TrqLOA Per1 HandwheelAuthority Uls f32.value	0.925960064	_ r _ ·	
target TrqLOA Per1 LatAcc MpSecSq f32.value	-8.88921642		
target TrqLOA Per1 LatAccelValid Cnt Igc.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
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.28237164	0.28237164	•
TrqLOA LatAccelSV g M Str.SV Uls f32	0.42138809	0.42138809 ± 0.01	-
	0	0 ± 0.01	-
TrgLOA ScaledMtrTrgCmd MtrNm M f32	1 ·		
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32 Trol OA_TloaCmd_MtrNm_M_f32	0	0 + 0 01	
TrqLOA_TloaCmd_MtrNm_M_f32	0 -1.06335258	0 ± 0.01	
	0 -1.06335258 0	0 ± 0.01 -1.06335258 ± 0.01 0	



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		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	49971		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	13926		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	22938		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	24166		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	20890		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	27443		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	29082		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	35226		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	32358		
t_TrqLOA_X_Kph_u10p6[0]	21056		
t_TrqLOA_X_Kph_u10p6[1]	21120		
t_TrqLOA_X_Kph_u10p6[2]	21184		
t_TrqLOA_X_Kph_u10p6[3]	21248		
t_TrqLOA_X_Kph_u10p6[4]	21312		
t_TrqLOA_X_Kph_u10p6[5]	21376		
t_TrqLOA_X_Kph_u10p6[6]	21440		
t_TrqLOA_X_Kph_u10p6[7]	21504		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuth	ority_Uls_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSec	Sq_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelValid_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_HwDeg_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSpeedVe	alid_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpeed_I	Cph_f32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0.7069453		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	9.23353577		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	1729.34595		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-873.518066		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	481.622101		
Name	Actual Value	Expected Value	Result
TrqLOA LatAccScaleFactor Uls M f32	0.465056837	0.465056837	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.404291272	0.404291272 ± 0.01	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-0	0 ± 0.01	
TrqLOA_TloaCmd_MtrNm_M_f32	-0	0 ± 0.01	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-0.10269177	-0.102691986 ± 0.01	
target TrqLOA Per1 TrqLOAAvail Cnt Igc.value	0	0	
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	-0	0 ± 0.01	

Name	Input Value	
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA	
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.853895903	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.649999976	
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0604999997	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-8.17680073	
TrqLOA_TloaCmd_MtrNm_M_f32	-8.80000019	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-1.05647099	
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	0.512650967	
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	725.99292	
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-13.2423515	
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	61.5206985	
k_TrqLOA_FallingRampRate_UlspS_f32	-610.38031	
k_TrqLOA_LatAccConversionFactor_Uls_f32	9.95821857	
k_TrqLOA_LimOutput_MtrNm_f32	8.15451336	
k_TrqLOA_MaxScaleFactor_Uls_f32	1	
k_TrqLOA_MinScaleFactor_Uls_f32	1	
k_TrqLOA_NomDrvTrq_MtrNm_f32	3.30371237	
k_TrqLOA_RisingRampRate_UlspS_f32	337.182373	
k_TrqLOA_SteerRatio_Uls_f32	20.3444614	
k_TrqLOA_UndersteerGrad_RadpG_f32	0.245641321	
k_TrqLOA_Wheelbase_M_f32	5.30176973	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	6554	





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





Name	Input Value		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_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	<b>✓</b>
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.778555155	0.778555155 ± 0.01	<b>✓</b>
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	<b>✓</b>
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	<b>~</b>

ame te_inst_Ap_TrqLOA		
	Input Value target_Rte_Inst_Ap_TrqLOA	
rqLOA LatAccScaleFactor Uls M f32	0.820842862	
rqLOA_LatAccelSV g M Str.SV Uls f32	0.100000001	
rqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0610000007	
rqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0.689402282	
rqLOA_ScaledwithqCind_withNii_M_i32	8.80000019	
rqLOA_rioachid_MithIm_M_is2	-1.40844035	
_TrqLOA_AbsAssistThreshold_MtrNm_f32	0.814378321	
TrqLOA AbsVelThreshold MtrRadpS f32	626.317505	
TrqLOA_AbsverTrieshold_Mitradp5_152 TrqLOA DiffScaleRateLimiterFalling UlspS f32	-20.6574211	
	38.2228584	
_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	-506.817291	
_TrqLOA_FallingRampRate_UlspS_f32		
_TrqLOA_LatAccConversionFactor_Uls_f32	3.60301948	
_TrqLOA_LimOutput_MtrNm_f32	1.56273842	
_TrqLOA_MaxScaleFactor_Uls_f32	0.758953691	
_TrqLOA_MinScaleFactor_Uls_f32	1	
_TrqLOA_NomDrvTrq_MtrNm_f32	0.133917198	
_TrqLOA_RisingRampRate_UlspS_f32	36.966835	
_TrqLOA_SteerRatio_Uls_f32	91.9759598	
_TrqLOA_UndersteerGrad_RadpG_f32	0.0435394794	
_TrqLOA_Wheelbase_M_f32	12.1447191	
_TrqLOA_DiffGainY_Uls_u1p15[0][0]	10158	
TrqLOA_DiffGainY_Uls_u1p15[0][1]	12124	
TrqLOA_DiffGainY_Uls_u1p15[0][2]	12780	
_TrqLOA_DiffGainY_Uls_u1p15[0][3]	13107	
TrqLOA_DiffGainY_Uls_u1p15[1][0]	10158	
TrqLOA_DiffGainY_Uls_u1p15[1][1]	12124	
_TrqLOA_DiffGainY_Uls_u1p15[1][2]	12780	
_TrqLOA_DiffGainY_Uls_u1p15[1][3]	13107	
_TrqLOA_DiffGainY_Uls_u1p15[2][0]	10158	
_TrqLOA_DiffGainY_Uls_u1p15[2][1]	12124	
_TrqLOA_DiffGainY_Uls_u1p15[2][2]	12780	
_TrqLOA_DiffGainY_Uls_u1p15[2][3]	13107	
_TrqLOA_DiffGainY_Uls_u1p15[3][0]	10158	
_TrqLOA_DiffGainY_Uls_u1p15[3][1]	12124	
_TrqLOA_DiffGainY_Uls_u1p15[3][2]	12780	
_TrqLOA_DiffGainY_Uls_u1p15[3][3]	13107	
_TrqLOA_DiffGainY_Uls_u1p15[4][0]	10158	
_TrqLOA_DiffGainY_Uls_u1p15[4][1]	12124	
_TrqLOA_DiffGainY_Uls_u1p15[4][2]	12780	
_TrqLOA_DiffGainY_Uls_u1p15[4][3]	13107	
	10158	
	12124	
	12780	
TrqLOA_DiffGainY_Uls_u1p15[5][3]	13107	
TrqLOA_DiffGainY_UIs_u1p15[6][0]	10158	

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Name	Input Value		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	12124		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	12780		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	13107		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	10158		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	12124		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	12780		
t2_TrqLOA_DiffGainY_UIs_u1p15[7][3]	13107		
t_TrqLOA_DiffGainX_G_u2p14[0]	5079		
t_TrqLOA_DiffGainX_G_u2p14[1]	6062		
t_TrqLOA_DiffGainX_G_u2p14[2]	6390		
t_TrqLOA_DiffGainX_G_u2p14[3]	6554 19520		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0] 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		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	9011		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	12288		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	13107		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	16384		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	17203		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	4915		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	9421		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	15155		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	16384		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	18432		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	20070		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	21709		
t_TrqLOA_Y_Krb_v40-000	23347		
t_TrqLOA_X_Kph_u10p6[0]	22080 22144		
t_TrqLOA_X_Kph_u10p6[1] 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_Handwhee	elAuthority_Uls_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_M	pSecSq_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelV	alid_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoa	MtgtnEn_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRI	MtrRadpS_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos	_HwDeg_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc	target_TrqLOA_Per1_TrqLOAAv	rail_Cnt_lgc	
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	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	0.48769033		
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	0 252 271140		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	352.271149	<b>-</b>	
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.779528022	0.779528022	•
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	9.90182161e-005	9.89999971e-005 ± 0.01	•
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-0	0 ± 0.01	•
TrqLOA_TloaCmd_MtrNm_M_f32	-0	0 ± 0.01	
TrqLOA_TrqBasedScaleFactor_UIs_M_f32	-1.33450663 0	-1.33450663 ± 0.01	
target_TrqLOA_Per1_TrqLOAAvail_Cnt_Igc.value target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32_value	0	0 + 0.01	

-0

target\_TrqLOA\_Per1\_TrqLOACmd\_MtrNm\_f32.value

0 ± 0.01





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

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]	5734		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	10650		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	15974		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	16794		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	19251		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	20890		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	22938		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	24166		
t_TrqLOA_X_Kph_u10p6[0]	22592		
t_TrqLOA_X_Kph_u10p6[1]	22656		
t_TrqLOA_X_Kph_u10p6[2]	22720		
t_TrqLOA_X_Kph_u10p6[3]	22784		
t_TrqLOA_X_Kph_u10p6[4]	22848		
t_TrqLOA_X_Kph_u10p6[5]	22912		
t_TrqLOA_X_Kph_u10p6[6]	22976		
t_TrqLOA_X_Kph_u10p6[7]	23040		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecSc	_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_Igc	target_TrqLOA_Per1_LatAccelValid_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_HwDeg_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc	target_TrqLOA_Per1_TrqLOAAvail_Cnt	_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_Mtr	Nm_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSpeedVali	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	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
TrgLOA LatAccScaleFactor UIs 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	
TrgLOA TrgBasedScaleFactor Uls M f32	0.467018008	0.467018098 ± 0.01	
target TrqLOA Per1 TrqLOAAvail Cnt Igc.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
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_UIs_u1p15[6][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	26214
t2_TrqLOA_DiffGainY_UIs_u1p15[7][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	21299
t2_TrqLOA_DiffGainY_UIs_u1p15[7][3]	26214
t_TrqLOA_DiffGainX_G_u2p14[0]	8684
t_TrqLOA_DiffGainX_G_u2p14[1]	9667 10650
t_TrqLOA_DiffGainX_G_u2p14[2]	
t_TrqLOA_DiffGainX_G_u2p14[3]	13107
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	22720 23040
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	23360
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2] t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	23680
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	24000
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	13107
t TrqLOA HighSpeedTrqBlend Y Uls u1p15[2]	16384
t TrqLOA HighSpeedTrqBlend Y Uls u1p15[3]	19661
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	22938
t TrgLOA 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 TrgLOA 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 TrgLOA TempTrgCmdSatYTbl MtrNm u4p12[3]	17203
t TrgLOA TempTrgCmdSatYTbl 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
	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_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_TrqLOAAv	/ail_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACı	md_MtrNm_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSp	eedValid_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSp	eed_Kph_f32		
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0.12183249	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	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	<b>✓</b>	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.191600814	0.191600814 ± 0.01	<b>✓</b>	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	<b>✓</b>	
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	<b>✓</b>	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	1	1 ± 0.01	<b>~</b>	
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	<b>~</b>	
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	0.821841478	
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_DillGainY_Uls_u1p15[0][0] t2_TrqLOA_DiffGainY_Uls_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_Uls_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_UIs_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	
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	





Name	Input Value		
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		
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]	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		
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] t_TrqLOA_X_Kph_u10p6[1]	23616 23680		
t TrgLOA 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_HandwheelA	Authority_Uls_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpS	<del>_</del>	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	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_h		
target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOAAvai		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32 target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_TrqLOACmd 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	0.780582905		
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	-1763.45972		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-312.254303		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	185.611267		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.654054523	0.654054523	•
TrqLOA_LatAccelSV_g_M_Str.SV_UIs_f32	0.183643296	0.183643296 ± 0.01	•
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-0.824145436	-0.824145436 ± 0.01	•
TrqLOA_TloaCmd_MtrNm_M_f32	-0.824145436	-0.824145436 ± 0.01	•
	1.88439369	1.88439369 ± 0.01	•
TrqLOA_TrqBasedScaleFactor_Uls_M_f32 target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	



Test Step 2.99 (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
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	8.8000019 0.785330892
k_TrqLOA_MaxScaleFactor_Uls_f32 k_TrqLOA_MinScaleFactor_Uls_f32	0.760300692
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] t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	9830 6554
t2_TrqLOA_DiliGainY_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] t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	9830 6554
tz_frqLOA_DiliGaint_Ois_u1p15[5][0] 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] t_TrqLOA_DiffGainX_G_u2p14[1]	12288 13271
t_TrqLOA_DiffGainX_G_u2p14[1] t_TrqLOA_DiffGainX_G_u2p14[2]	14909
t_TrqLOA_DiffGainX_G_u2p14[3]	19661
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	11520
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	11840
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	12160
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	12480
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	12800
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	13107
t_TrqLOA_HighSpeedTrqBlend_Y_UIs_u1p15[2]	16384
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	19661
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	22938 4096
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0] t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	4915
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	8192
_ ,	





Name	Input Value		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	12288		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	13107		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	16384		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	17203		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	8192		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	14336		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	18432		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	18022		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	21709		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	23347		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	26624		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	26624		
t_TrqLOA_X_Kph_u10p6[0]	24128		
t_TrqLOA_X_Kph_u10p6[1]	24192		
t_TrqLOA_X_Kph_u10p6[2]	24256		
t_TrqLOA_X_Kph_u10p6[3]	24320		
t_TrqLOA_X_Kph_u10p6[4]	24384		
t_TrqLOA_X_Kph_u10p6[5]	24448		
t_TrqLOA_X_Kph_u10p6[6]	24512		
t_TrqLOA_X_Kph_u10p6[7]	24576		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecSq_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_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	<del></del>	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc	target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpeed_Kph_f32		
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0.72999084		
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_Igc.value	0		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	375.344025	1=	1
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.832664609	0.832664669	•
TrqLOA_LatAccelSV_g_M_Str.SV_UIs_f32	0.00134866394	0.00134866405 ± 0.01	•
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	•
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	•
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	1.18257344	1.18257344 ± 0.01	•
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	•
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0	0 ± 0.01	•

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





Name	Input Value
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	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_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	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_TrqLOAA	vail_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOAC	md_MtrNm_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc	target_TrqLOA_Per1_VehicleSp	peedValid_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSp	peed_Kph_f32		
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0.979789495			
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-5.07149601			
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0			
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	0			
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-1365.74438			
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-206.586578	-206.586578		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1	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	<b>✓</b>	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	<b>✓</b>	
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	<b>✓</b>	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	1.63608265	1.63608277 ± 0.01	~	
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	<b>✓</b>	
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>&lt;_TrqLOA_AbsAssistThreshold_MtrNm_f32</pre>	1.75459635	
TrgLOA AbsVelThreshold MtrRadpS f32	433.937439	
TrgLOA DiffScaleRateLimiterFalling UlspS f32	-54.2950287	
<pre>&lt;_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>&lt;_frqLOA_MinScaleFactor_Uls_f32</pre>	0.51321137	
k TrgLOA NomDrvTrg MtrNm f32	7.61406374	
k TrgLOA RisingRampRate UlspS f32	982.168213	
<pre>&lt;_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		
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 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]	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]	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 64		
t_TrqLOA_X_Kph_u10p6[0] 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_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_LatAccelVal	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_lgc	target_TrqLOA_Per1_TrqLOAAva	ail_Cnt_lgc	
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	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 target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	-480.879883 0		
target_TrqLOA_Per1_vehicleSpeed_Kph_f32.value	496.52182		
Name	Actual Value	Expected Value	Result
		•	Result
TrqLOA_LatAccScaleFactor_UIs_M_f32	0.85657686	0.85657686	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32 TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0.272681743	0.272681743 ± 0.01 0 ± 0.01	
	0	0 ± 0.01	
Tral OA TloaCmd MtrNm M f32		0 ± 0.01	
TrqLOA_TloaCmd_MtrNm_M_f32 TroLOA_TroBasedScaleFactor_Uls_M_f32	0.664759338	0.664759278 + 0.01	
TrqLOA_TloaCmd_MtrNm_M_f32 TrqLOA_TrqBasedScaleFactor_Uls_M_f32 target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0.664759338	0.664759278 ± 0.01	





Test Step 2.102 (Repeat Count = 1)	
Name	Input Value
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.719573736
TrqLOA LatAccelSV g M Str.SV Uls f32	0.44999988
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0644999966
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 8.11684418
k_TrqLOA_LatAccConversionFactor_Uls_f32 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	8.20072651
k_TrqLOA_RisingRampRate_UlspS_f32	102.115242
k_TrqLOA_SteerRatio_Uls_f32	5.74871397
k_TrqLOA_UndersteerGrad_RadpG_f32	0
k_TrqLOA_Wheelbase_M_f32	2.2757802
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]	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 26214
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3] 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
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	26214 17367
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0] t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	19333
t2_TrqLOA_DiffGainY_UIs_u1p15[5][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	21299
t2_TrqLOA_DiffGainY_UIs_u1p15[6][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	26214
t_TrqLOA_DiffGainX_G_u2p14[0] t_TrqLOA_DiffGainX_G_u2p14[1]	17695 18678
t TrqLOA DiffGainX G u2p14[1]	21299
t_TrqLOA_DiffGainX_G_u2p14[2]	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
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 53248
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0] t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	53248
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	56115
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	56934
_ ,	[PTTT]





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		
arget_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecSq_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelValid_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_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		
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_VehicleSpeedValid_Cnt_lgc		
arget_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpeed_	Kph_f32	
arget_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0.948918343		
arget_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	8.35726833		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	1339.45154		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-865.268372		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_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	
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_lgc.value	0	0	•
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	-1.12886703	-1.12886703 ± 0.01	

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





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





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_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	<b>✓</b>
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	<b>✓</b>
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	<b>✓</b>

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

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Name	Input Value		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	8192		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	9503		
t2_TrqLOA_DiffGainY_UIs_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 4096		
t_TrqLOA_DiffGainX_G_u2p14[1] t_TrqLOA_DiffGainX_G_u2p14[2]	4751		
t_TrqLOA_DiffGainX_G_u2p14[3]	4915		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	16320		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	16640		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	16960		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	17280		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	17600		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	6554		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	9830		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	13107		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	16384		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	19661		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	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 22528		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2] 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		
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_Handwheel	·	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_Mp		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelVa	,	
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_		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc target_Rte_Inst_Ap_TrqLOA.TrqLOA Per1_TrqLOACmd MtrNm f32	target_TrqLOA_Per1_TrqLOAAva target TrqLOA Per1 TrqLOACm		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_intrinm_132 target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc	target_TrqLOA_Per1_TrqLOACm		
target Rte Inst Ap TrqLOA.TrqLOA Per1 VehicleSpeed Kph f32	target_TrqLOA_Per1_VehicleSpe		
target TrqLOA Per1 HandwheelAuthority Uls f32.value	1	04_rtpi1_i02	
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	10		
target TrgLOA 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		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	274.40564		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.547168374	0.547168374	
TrqLOA_LatAccelSV_g_M_Str.SV_UIs_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	•
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0	0 ± 0.01	





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





Name	Input Value			
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	45056			
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	45875			
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	49152			
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	49971			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	13107			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	21709			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	23347			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	20480			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	26624			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	28262			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	33997			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	31539			
t_TrqLOA_X_Kph_u10p6[0]	2112			
t_TrqLOA_X_Kph_u10p6[1]	2176			
t_TrqLOA_X_Kph_u10p6[2]	2240			
t_TrqLOA_X_Kph_u10p6[3]	2304			
t_TrqLOA_X_Kph_u10p6[4]	2368			
t_TrqLOA_X_Kph_u10p6[5]	2432			
t_TrqLOA_X_Kph_u10p6[6]	2496			
t_TrqLOA_X_Kph_u10p6[7]	2560			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_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	target_TrqLOA_Per1_RelHwPos_HwDeg_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOAAvail_Cn	t_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_lgc.value	0			
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	93.398407			
Name	Actual Value	Expected Value	Result	
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.815180123	0.815180123	•	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.572879255	0.572879195 ± 0.01	•	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0.077738896	0.0777388886 ± 0.01	•	
TrqLOA_TloaCmd_MtrNm_M_f32	0.077738896	0.0777388886 ± 0.01	•	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	1	1 ± 0.01	•	
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	•	
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0.077738896	0.0777388886 ± 0.01		

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





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





Name	Input Value		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrRadp	oS_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_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_	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	<b>✓</b>
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	2.34314823	2.34314775 ± 0.01	<b>✓</b>
TrqLOA_TloaCmd_MtrNm_M_f32	2.34314823	2.34314775 ± 0.01	<b>✓</b>
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.823885202	0.823885024 ± 0.01	~
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	<b>✓</b>
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	2.34314823	2.34314775 ± 0.01	<b>✓</b>

Name	Input Value	
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA	
TrqLOA LatAccScaleFactor Uls M f32	1	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.100000001	
TrqLOA LatAccelSV g M Str.K Uls f32	0.0670000017	
TrqLOA ScaledMtrTrqCmd MtrNm M f32	0.0685558468	
TrqLOA_TloaCmd_MtrNm_M_f32	-5.5	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	2	
<pre>&lt;_TrqLOA_AbsAssistThreshold_MtrNm_f32</pre>	10	
<pre></pre>	56.3604622	
<pre>c_rqLOA_DiffScaleRateLimiterFalling_UlspS_f32</pre>	-6.15822935	
TrqLOA DiffScaleRateLimiterRising UlspS f32	47.5	
TrgLOA FallingRampRate UlspS f32	-154.366959	
TrqLOA LatAccConversionFactor Uls f32	7.79777288	
<pre>c_frqLOA_LimOutput_MtrNm_f32</pre>	7.17944431	
<pre>&lt;_frqLOA_Limouput_MuMin_i32</pre> <pre>&lt;_frqLOA_MaxScaleFactor_Uls_f32</pre>	0.191684842	
<pre>&lt;_rrqLOA_MinScaleFactor_Uls_f32</pre>	0.152980685	
<pre>&lt;_TrqLOA_NomDrvTrq_MtrNm_f32</pre>	4.2541213	
<pre>c_rrqLOA_RisingRampRate_UlspS_f32</pre>	305.152161	
<pre>&lt;_frqLOA_SteerRatio_Uls_f32</pre>	61.7665825	
TrqLOA_SteerNatio_Gis_i32 TrqLOA UndersteerGrad RadpG f32	0.25	
TrqLOA_OndersteerGrau_NaupG_I32	9.20375919	
2 TrqLOA DiffGainY Uls u1p15[0][0]	17367	
2_TrqLOA_DiliGainY_Uls_u1p15[0][0] 2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	19333	
	21299	
2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	26214	
2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	17367	
2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	19333	
2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	21299	
2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	26214	
2_TrqLOA_DiffGainY_Uls_u1p15[1][3]		
2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	17367	
2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	19333	
2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	21299	
2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	26214	
2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	17367	
2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	19333	
2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	21299	
2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	26214	
2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	17367	
2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	19333	
2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	21299	
2_TrqLOA_DiffGainY_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	
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	17367	

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Name	Input Value		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	19333		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	21299		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	26214		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	17367		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	19333		
t2_TrqLOA_DiffGainY_UIs_u1p15[7][2]	21299		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	26214		
t_TrqLOA_DiffGainX_G_u2p14[0]	8684		
t_TrqLOA_DiffGainX_G_u2p14[1] t_TrqLOA_DiffGainX_G_u2p14[2]	9667 10650		
t TrqLOA DiffGainX G u2p14[2]	13107		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	16320		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	16640		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	16960		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	17280		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	17600		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	6554		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	9830		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	13107		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	16384		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	19661		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	4096		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	4915		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	8192		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	9011		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	12288		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	13107		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	16384		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	17203		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	4096		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	8192 14336		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2] t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	15974		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	17613		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	19251		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	20480		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	22528		
t_TrqLOA_X_Kph_u10p6[0]	3136		
t_TrqLOA_X_Kph_u10p6[1]	3200		
t_TrqLOA_X_Kph_u10p6[2]	3264		
t_TrqLOA_X_Kph_u10p6[3]	3328		
t_TrqLOA_X_Kph_u10p6[4]	3392		
t_TrqLOA_X_Kph_u10p6[5]	3456		
t_TrqLOA_X_Kph_u10p6[6]	3520		
t_TrqLOA_X_Kph_u10p6[7]	3584		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelA	,	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_Mp8		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelVal	0	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaM	~	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_		
target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_l		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOAAvai		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32 target_Rte_Inst_Ap_TrqLOA.TrqLOA Per1_VehicleSpeedValid_Cnt_lqc	target_TrqLOA_Per1_TrqLOACmo		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_venicleSpeedValid_Cnt_igc target_Rte_Inst_Ap_TrqLOA.TrqLOA Per1_VenicleSpeed Kph_f32	target_TrqLOA_Per1_VehicleSpeet target_TrqLOA_Per1_VehicleSpeet		
target TrqLOA Per1 HandwheelAuthority Uls f32.value	1	ец_крп_132	
target_TrqLOA_Per1_HandwheeiAuthonty_ois_isz.value target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-7.77647305		
target TrqLOA Per1 LatAccelValid Cnt Igc.value	1		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	1549.29675		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-153.528976		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	302.886261		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.987683535	0.987683535	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.0822378099	0.0822378024 ± 0.01	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	•
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	1.69126606	1.69126606 ± 0.01	•
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	•
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0	0 ± 0.01	•



Test Step 2.108 (Repeat Count = 1)	Innut Value
Name	Input Value
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.412190914 0.150000006
TrqLOA_LatAccelSV_g_M_Str.SV_UIs_f32	0.0675000027
TrqLOA_LatAccelSV_g_M_Str.K_UIs_f32	-7.99985456
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32 TrqLOA_TloaCmd_MtrNm_M_f32	-7.99903430 -5
TrqLOA_Troacind_within_wi_is2 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	-47.6366577
k TrgLOA DiffScaleRateLimiterRising UlspS f32	9.32355785
k TrqLOA FallingRampRate 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]	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] t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	4915 6226
	655
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	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_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]	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]	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	32768		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	33587	33587		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	4915	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_HandwheelAu	,		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSe	<del>-</del>		
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_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	<del></del>		
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_InqLOACInd_within_isz	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	_Kpi1_132		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-2.62184381			
target TrqLOA Per1 LatAccelValid Cnt Igc.value	1			
target TrqLOA Per1 MotAgLoaMtgtnEn Cnt Igc.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 Igc.value	1			
target TrqLOA Per1 VehicleSpeed Kph f32.value	408.612793			
Name	Actual Value	Expected Value	Result	
TrgLOA LatAccScaleFactor UIs 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 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	1	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.200000003	
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	





2.   Track D.   Billians Y. Us.   philosophy	Name	Input Value
2. TraCAD, Difficacy   18. april 1991   980		
2_Trick_O_Different_us_prepty		
2. Tracip.A. Diffeact   Us. substity    2. T		
Part		
Part		
Part		
12_THE_QD_PRESSON_UB_y01583912   9595   12_THE_QD_PRESSON_UB_y01583912   9595		
2. TruCQ.D. Demicani* Usu print \$19312   9903   2. TruCQ.D. Demicani* Usu print \$19312   9903   9804   9804   9804   9804   9804   9804   9804   9804   9804   9804   9804   9804   9804   9804   9804   9805   98		
2_TriqLO_D_RESear(_Us_upts[9][9]   9900   2_TriqLO_D_RESEar(_Us_upts[9		
2_Triq O.A. Difficant**/ Us. pu15   Sign		
2_Trig (A)_Deficiant*_Ustris   54 0 1		
2.TrigLOA, Difficanty   Us. 1015   917   9503   9503   2.TrigLOA, Difficanty   Us. 1015   917   9503   9503   9503   9504   9505   95		
2_Tris_CA_D_DRICAIN*_Uis_vis_154[2]		
Part		
2.Triq CA, D. Diffsan Y. Us 11765[1]   6554	t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	9503
2. Tra(Q.A. Difficany   Us. up1945[1]   9903   2. Tra(Q.A. Difficany   Us. up1945[2]   9903   9	t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	9830
2. Tro_Q.A. Difficanty, Use_strip158[3]   9903   2. Tro_Q.A. Difficanty, Use_strip158[3]   9909   2. Tro_Q.A. Difficanty, Use_strip158[3]   9909   2. Tro_Q.A. Difficanty, Use_strip158[3]   9909   2. Tro_Q.A. Difficanty, Use_strip158[3]   9209   2. Tro_Q.A. Difficanty, Use_strip158[3]   1590   2. Tro_Q.A. Difficanty, Use_strip15	t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	6554
2. Tracic AD Difficanty   Use .utp15(6)[3]   6554   2. Tracic AD Difficanty   Use .utp15(6)[0]   6554   2. Tracic AD Difficanty   Use .utp15(6)[2]   8192   2. Tracic AD Difficanty   Use .utp15(6)[2]   9503   2. Tracic AD Difficanty   Use .utp15(7)[1]   6554   2. Tracic AD Difficanty   Use .utp15(7)[1]   6152   2. Tracic AD Dif	t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	8192
Z.Trq.Q.A. Dillicaliny', Use, up 1915[01]   8192   Z.Trq.Q.A. Dillicaliny', Use, up 1917[17]   9303   Z.Trq.Q.A. Dillicaliny', Use, up 1917[17]   93768   Z.Trq.Q.A. Pillicaliny', Use, up 1917[17]   93768   Z.Trq.Q.A. Pillicaliny', Use, up 1918[17]   93768   Z.Trq.Q.A. Pillicaliny', Use, up 1918[17]   93768   Z.Trq.Q.A. Pillicaliny', Use, up 1918[17]   19540   Z.Trq.Q.A. Pillicaliny', Use	t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	9503
2. Trq.Q.A. DiffGanY, Use_up158[91]   8192   2. Trq.Q.A. DiffGanY, Use_up158[91]   9503   2. Trq.Q.A. DiffGanY, Use_up158[91]   9503   2. Trq.Q.A. DiffGanY, Use_up158[91]   8554   2. Trq.Q.A. DiffGanY, Use_up158[91]   8592   2. Trq.Q.A. DiffGanY, Use_up158[91]   9503   2. Trq.Q.A. DiffGanX, G. up214[9]   32788   2. Trq.Q.A. PinfSanC, up214[9]   1504   2. Trq.Q.A. PinfSanC, up214[9]   1504   2. Trq.Q.A. PinfSanCedTroBlend, X. Kn. us0p[9]   1702   2. Trq.Q.A. PinfSanCedTroBlend, X. Kn. us0p[9]   1500   2. Trq.Q.A. PinfSanCedTroBlend, Y. Us. us158[9]   1500   2. Trq.Q.A. PinfSanCedTroBlend, Y. Us.	t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	9830
2. Troj. A. D. Biffainy   Use   up158  2    9503   2. Troj. A. D. Biffainy   Use   up158  2    9830   2. Troj. A. D. Biffainy   Use   up158  7    6554   2. Troj. A. D. Biffainy   Use   up158  7    8192   2. Troj. A. D. Biffainy   Use   up158  7    8192   2. Troj. A. D. Biffainy   Use   up158  7    9503   2. Troj. A. D. Biffainy   Use   up158  7    9503   2. Troj. A. D. Biffainy   Use   up158  7    9503   2. Troj. A. D. Biffainy   Use   up158  7    9503   2. Troj. A. D. Biffainy   Use   up158  7    9503   2. Troj. A. D. Biffainy   Use   up158  7    9503   2. Troj. A. D. Biffainy   Use   up158  7    9503   2. Troj. A. D. Biffainy   Use   up158  7    9503   2. Troj. A. D. Biffainy   Use   up158  7    9504   2. Troj. A. D. Biffainy   Use   up158  7    9504   2. Troj. A. D. Biffainy   Use   up158  7    9504   2. Troj. A. Lysis   Use   Use   Use   Use   Use   Use   Use   2. Troj. A. Lysis   Use   Use   Use   Use   Use   Use   Use   2. Troj. A. Lysis   Use   Use   Use   Use   Use   Use   Use   2. Troj. A. Lysis   Use   Use   Use   Use   Use   Use   2. Troj. A. Lysis   Use   Use   Use   Use   Use   Use   Use   2. Troj. A. Lysis   Use   Use   Use   Use   Use   Use   Use   2. Troj. A. Lysis   Use   Use   Use   Use   Use   Use   2. Troj. A. Lysis   Use   Use   Use   Use   Use   Use   Use   2. Troj. A. Lysis   Use   Use   Use   Use   Use   Use   Use   2. Troj. A. Lysis   Use   Use   Use   Use   Use   Use   Use   2. Troj. A. Lysis   Use   Use   Use   Use   Use   Use   Use   2. Troj. A. Lysis   Use   Use   Use   Use   Use   Use   Use   2. Troj. A. Lysis   Use   Use   Use   Use   Use   Use   Use   Use   2. Troj. A. Lysis   Use   Use   Use   Use   Use   Use   Use   Use   2. Troj. A. Lysis   Use   Use   Use   Use   Use   Use   Use   Use   Use   2. Troj. A. Lysis   Use   2. Troj. A. Lysis   Use	t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	6554
2. Troj. A. D. Biffainy   Use   up158  2    9503   2. Troj. A. D. Biffainy   Use   up158  2    9830   2. Troj. A. D. Biffainy   Use   up158  7    6554   2. Troj. A. D. Biffainy   Use   up158  7    8192   2. Troj. A. D. Biffainy   Use   up158  7    8192   2. Troj. A. D. Biffainy   Use   up158  7    9503   2. Troj. A. D. Biffainy   Use   up158  7    9503   2. Troj. A. D. Biffainy   Use   up158  7    9503   2. Troj. A. D. Biffainy   Use   up158  7    9503   2. Troj. A. D. Biffainy   Use   up158  7    9503   2. Troj. A. D. Biffainy   Use   up158  7    9503   2. Troj. A. D. Biffainy   Use   up158  7    9503   2. Troj. A. D. Biffainy   Use   up158  7    9503   2. Troj. A. D. Biffainy   Use   up158  7    9504   2. Troj. A. D. Biffainy   Use   up158  7    9504   2. Troj. A. D. Biffainy   Use   up158  7    9504   2. Troj. A. Lysis   Use   Use   Use   Use   Use   Use   Use   2. Troj. A. Lysis   Use   Use   Use   Use   Use   Use   Use   2. Troj. A. Lysis   Use   Use   Use   Use   Use   Use   Use   2. Troj. A. Lysis   Use   Use   Use   Use   Use   Use   2. Troj. A. Lysis   Use   Use   Use   Use   Use   Use   Use   2. Troj. A. Lysis   Use   Use   Use   Use   Use   Use   Use   2. Troj. A. Lysis   Use   Use   Use   Use   Use   Use   2. Troj. A. Lysis   Use   Use   Use   Use   Use   Use   Use   2. Troj. A. Lysis   Use   Use   Use   Use   Use   Use   Use   2. Troj. A. Lysis   Use   Use   Use   Use   Use   Use   Use   2. Troj. A. Lysis   Use   Use   Use   Use   Use   Use   Use   2. Troj. A. Lysis   Use   Use   Use   Use   Use   Use   Use   2. Troj. A. Lysis   Use   Use   Use   Use   Use   Use   Use   Use   2. Troj. A. Lysis   Use   Use   Use   Use   Use   Use   Use   Use   2. Troj. A. Lysis   Use   Use   Use   Use   Use   Use   Use   Use   Use   2. Troj. A. Lysis   Use   2. Troj. A. Lysis   Use	t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	8192
2, Trai, CA, Diffican'r, Uss. up158[7]0  655   2, Trai, CA, Diffican'r, Uss. up158[7]0  655   2, Trai, CA, Diffican'r, Uss. up158[7]0  655   2, Trai, CA, Diffican'r, Uss. up158[7]0  8930   2, Trai, CA, Diffican'r, Uss. up158[7]0  8930   1, Trai, CA, Diffican'r, Cs. up254[7] 3778   1, Trai, CA, Diffican'r, Cs. up254[7] 3778   1, Trai, CA, Diffican'r, Cs. up254[7] 3778   1, Trai, CA, Diffican'r, Cs. up254[7] 4770   1, Trai, CA, Diffican'r, Cs. up158[7] 4770   1, Trai, CA, Landoccain Y, Mirhimor, up158[7] 4771   1, Trai, CA, Tempiri, Combasta'r Di, Mirhi		9503
2, Trq.Q.A. DiffGainY, Uis_up15[7][0]   6554   2, Trq.Q.A. DiffGainY, Uis_up15[7][1]   8192   2, Trq.Q.A. DiffGainY, Uis_up15[7][2]   9603   2, Trq.Q.A. DiffGainY, Uis_up15[7][2]   9803   2, Trq.Q.A. DiffGainY, Uis_up15[7][2]   9803   2, Trq.Q.A. DiffGainX, G. up25[4]   32768   2, Trq.Q.A. DiffGainX, G. up25[4]   1470   2, Trq.Q.A. DiffGainX, G. up25[4]   1470   2, Trq.Q.A. DiffGainX, G. up25[4]   1470   2, Trq.Q.A. HighSpeedTrqBeind, X. Kph, u106[6]   1470   2, Trq.Q.A. HighSpeedTrqBeind, X. Kph, u106[6]   1500   2, Trq.Q.A. HighSpeedTrqBeind, X. Kph, u106[6]   1500   2, Trq.Q.A. HighSpeedTrqBeind, X. Kph, u106[6]   1500   2, Trq.Q.A. HighSpeedTrqBeind, X. Lpt u107[6]   1500   2, Trq.Q.A. HighSpeedTrqBeind, Y. Ui, u107[6]   1500   2, Trq.Q.A. LiaAccGain, Y. MirkmpG, u49[2]   1500   2,		9830
2, Trq.QA, DiffGainY, Us., up15[7][7]         9192           2, Trq.QA, DiffGainY, Us., up15[7][7]         9503           2, Trq.QA, DiffGainY, Us., up15[7][8]         9503           1, Trq.QA, DiffGainX, Q., up14[9]         3278           1, Trq.QA, DiffGainX, Q., up14[9]         3278           1, Trq.QA, DiffGainX, Q., up14[8]         3278           1, Trq.QA, DiffGainX, Q., up14[8]         3278           1, Trq.QA, HighSpeedTrqBleind, X. Kph., u106[8][9]         14720           1, Trq.QA, HighSpeedTrqBleind, X. Kph., u106[8][9]         15360           1, Trq.QA, HighSpeedTrqBleind, X. Kph., u106[8][9]         15860           1, Trq.QA, HighSpeedTrqBleind, X. Kph., u106[8][9]         16860           1, Trq.QA, HighSpeedTrqBleind, Y. Us., u105[8][9]         6654           1, Trq.QA, HighSpeedTrqBleind, Y. Us., u105[8][9]         9830           1, Trq.QA, HighSpeedTrqBleind, Y. Us., u105[8][9]         9830           1, Trq.QA, HighSpeedTrqBleind, Y. Us., u105[8][9]         1983           1, Trq.QA, HighSpeedTrqBleind, Y. Us., u105[8][9]		6554
Z. Trai, C.A. DifficainY, Us. up15[7][2]   9903     Z. Trai, C.A. DifficainY, Us. up15[7][3]   9803     Z. Trai, C.A. DifficainX, G. up2p14[0]   32788     Z. Trai, C.A. DifficainX, G. up2p14[0]   32788     Z. Trai, C.A. DifficainX, G. up2p14[2]   14700     Z. Trai, C.A. PijinSpeedTrijellend, X. Kph. u10p6[0]   14720     Z. Trai, C.A. PijinSpeedTrijellend, X. Kph. u10p6[1]   15040     Z. Trai, C.A. PijinSpeedTrijellend, X. Kph. u10p6[3]   15860     Z. Trai, C.A. PijinSpeedTrijellend, X. Kph. u10p6[3]   15860     Z. Trai, C.A. PijinSpeedTrijellend, Y. Us. up1p15[1]   9800     Z. Trai, C.A. PijinSpeedTrijellend, Y. Us. up1p15[1]   9800     Z. Trai, C.A. PijinSpeedTrijellend, Y. Us. up1p15[2]   13107     Z. Trai, C.A. PijinSpeedTrijellend, Y. Us. up1p15[3]   13107     Z. Trai, C.A. PijinSpeedTrijellend, Y. Us. up1p15[3]   1384     Z. Trai, C.A. LainSpeedTrijellend, Y. Us. up1p15[4]   1495     Z. Trai, C.A. LainSpeedTrijellend, Y. Us. up1p15[4]		8192
Part		
TriqLOA_DiffGaniX_G_uzp14[7]   32768		
LTmQLAD_DiffGainX, G_uzp14[2]         32788           LTmQLAD_DiffGainX, G_uzp14[2]         32788           LTmQLAD_DiffGainX, G_uzp14[3]         32788           LTmQLAD_HighSpeedTrigleInd X_Kpt, u10p6[0]         14720           LTmQLAD_HighSpeedTrigleInd X_Kpt, u10p6[1]         15040           LTmQLAD_HighSpeedTrigleInd X_Kpt, u10p6[2]         15880           LTmQLAD_HighSpeedTrigleInd X_Kpt, u10p6[3]         15880           LTmQLAD_HighSpeedTrigleInd X_Kpt, u10p6[4]         10000           LTmQLAD_HighSpeedTrigleInd X_Vis_u1p15[0]         6554           LTmQLAD_HighSpeedTrigleInd Y_Uis_u1p15[1]         9830           LTmQLAD_HighSpeedTrigleInd Y_Uis_u1p15[3]         13324           LTmQLAD_HighSpeedTrigleInd Y_Uis_u1p15[3]         13324           LTmQLAD_HighSpeedTrigleInd Y_Uis_u1p15[3]         13324           LTmQLAD_LidAccGain Y_MithImpG_u4p12[0]         36884           LTmQLA_LidAccGain Y_MithImpG_u4p12[0]         36884           LTmQLA_LidAccGain Y_MithImpG_u4p12[1]         37683           LTmQLA_LidAccGain Y_MithImpG_u4p12[0]         49779           LTmQLA_LidAccGain Y_MithImpG_u4p12[0]         49779           LTmQLA_LidAccGain Y_MithImpG_u4p12[0]         49774           LTmQLA_LidAccGain Y_MithImpG_u4p12[0]         5734           LTmQLA_LidAccGain Y_MithImpG_u4p12[0]         5734		
LTrq.CA_DiffGainX_G_u2p14[3] 32788 LTrq.CA_HighSpeedTrgBlend_X_Kpl_u10p6[0] 14720 LTrq.CA_HighSpeedTrgBlend_X_Kpl_u10p6[1] 15040 LTrq.CA_HighSpeedTrgBlend_X_Kpl_u10p6[2] 15360 LTrq.CA_HighSpeedTrgBlend_X_Kpl_u10p6[3] 15860 LTrq.CA_HighSpeedTrgBlend_X_Kpl_u10p6[3] 15860 LTrq.CA_HighSpeedTrgBlend_X_Kpl_u10p6[3] 15860 LTrq.CA_HighSpeedTrgBlend_X_Kpl_u10p6[3] 15860 LTrq.CA_HighSpeedTrgBlend_X_Kpl_u10p6[3] 15860 LTrq.CA_HighSpeedTrgBlend_X_Ubl_u1p15[0] 6554 LTrq.CA_HighSpeedTrgBlend_X_Ubl_u1p15[3] 15800 LTrq.CA_HighSpeedTrgBlend_X_Ubl_u1p15[3] 15800 LTrq.CA_HighSpeedTrgBlend_X_Ubl_u1p15[3] 15804 LTrq.CA_HighSpeedTrgBlend_X_Ubl_u1p15[3] 15804 LTrq.CA_HighSpeedTrgBlend_X_Ubl_u1p15[3] 15804 LTrq.CA_HighSpeedTrgBlend_X_Ubl_u1p15[3] 15804 LTrq.CA_LidaCaGain_X_MinhmpG_u4p12[0] 36864 LTrq.CA_LidaCaGain_X_MinhmpG_u4p12[1] 37883 LTrq.CA_LidaCaGain_X_MinhmpG_u4p12[1] 37883 LTrq.CA_LidaCaGain_X_MinhmpG_u4p12[3] 40960 LTrq.CA_LidaCaGain_X_MinhmpG_u4p12[3] 41779 LTrq.CA_LidaCaGain_X_MinhmpG_u4p12[3] 45976 LTrq.CA_LidaCaGain_X_MinhmpG_u4p12[3] 45976 LTrq.CA_LidaCaGain_X_MinhmpG_u4p12[3] 45976 LTrq.CA_LidaCaGain_X_MinhmpG_u4p12[4] 45066 LTrq.CA_LidaCaGain_X_MinhmpG_u4p12[6] 45976 LTrq.CA_LidaCaGain_X_MinhmpG_u4p12[7] 49971 LTrq.CA_LidaCaGain_X_MinhmpG_u4p12[8] 41912 LTrq.CA_LidaCaGain_X_MinhmpG_u4p12[9] 45974 LTrq.CA_LidaCaGain_X_MinhmpG_u4p12[9] 45974 LTrq.CA_TempTrqCmdSatYTb_Minhm_u4p12[9] 5794 LTrq.CA_TempTrqCmdSatYTb_Minhm_u4p12[9] 15974 LTrq.CA_TempTrqCmdSatYTb_Minhm_u4p12[9] 15974 LTrq.CA_TempTrqCmdSatYTb_Minhm_u4p12[9] 15974 LTrq.CA_TempTrqCmdSatYTb_Minhm_u4p12[9] 12466 LTrq.CA_TempTrqCmdSatYTb_Minhm_u4p12[9] 12466 LTrq.CA_X_Kph_u10p6[9] 1400 LTrq.CA_X_Kph_u10p6[9] 1		
TrqLOA_HighSpeedTrgBlend_X_Kpt_u10p6[0]   14720		
TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]   14720   15040   17rqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]   15040   17rqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]   15380   15680   17rqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]   16000   17rqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]   16000   17rqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]   16000   17rqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]   6554   17rqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]   17rqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]   13107   17rqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]   16384   17rqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]   19661   17rqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]   19661   17rqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]   19661   17rqLOA_LidAcccain_Y_MirkmpG_u4p12[0]   36884   17rqLOA_LidAcccain_Y_MirkmpG_u4p12[1]   37683   17rqLOA_LidAcccain_Y_MirkmpG_u4p12[1]   37683   17rqLOA_LidAcccain_Y_MirkmpG_u4p12[2]   40960   17rqLOA_LidAcccain_Y_MirkmpG_u4p12[2]   40960   17rqLOA_LidAcccain_Y_MirkmpG_u4p12[2]   45056   17rqLOA_LidAcccain_Y_MirkmpG_u4p12[4]   45056   17rqLOA_TempTrqCmdsatYTD_Mirkm_u4p12[6]   5734   17rqLOA_TempTrqCmdsatYTD_Mirkm_u4p12[6]   10560   17rqLOA_TempTrqCmdsatYTD_Mirkm_u4p12[6]   10560   17rqLOA_TempTrqCmdsatYTD_Mirkm_u4p12[6]   10560   17rqLOA_TempTrqCmdsatYTD_Mirkm_u4p12[6]   10560   107qLOA_TempTrqCmdsatYTD_Mirkm_u4p12[6]   107qLOA_Temp		
CTRQLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]   15040   150800   150800   150800   150800   150800   150800   150800   150800   150800   150800   150800		
CTRILOA HighSpeedTrigBlend X, Kph, u10p8[2]   15380   15680   15740, A HighSpeedTrigBlend X, Kph, u10p8[3]   15680   15740, A HighSpeedTrigBlend X, Kph, u10p8[4]   16000   15740, A HighSpeedTrigBlend X, Kph, u10p8[4]   16000   15740, A HighSpeedTrigBlend Y, Uls, u1p15[1]   15740, A HighSpeedTrigBlend Y, Uls, u1p15[1]   15107   151740, A HighSpeedTrigBlend Y, Uls, u1p15[2]   13107   15740, A HighSpeedTrigBlend Y, Uls, u1p15[3]   16384   15740, A HighSpeedTrigBlend Y, Uls, u1p15[4]   16661   15740, A HighSpeedTrigBlend Y, Uls, u1p15[4]   16740, A LidAccGain Y, MithMingG, u4p12[7]   37683   15740, A LidAccGain Y, MithMingG, u4p12[7]   40960   15740, A LidAccGain Y, MithMingG, u4p12[8]   45056   15740, A LidAccGain Y, MithMingG, u4p12[8]   45056   15740, A LidAccGain Y, MithMingG, u4p12[9]   45056   15740, A LidAccGain Y, MithMing, u4p12[9]   49152   15740, A LidAccGain Y, MithMing, u4p12[9]   49152   15740, A LidAccGain Y, MithMing, u4p12[9]   49152   15740, A LidAccGain Y, MithMing, u4p12[7]   49971   15740, A LidAccGain Y, MithMing, u4p12[7]   49971   15740, A LidAccGain Y, MithMing, u4p12[7]   16650   15740, A LidAccGain Y, MithMing, u4p12[7]   16740, A LidaccGain Y, MithMing, u4p12[8]   15974   1		
TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]   16000   17qLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]   16000   17qLOA_HighSpeedTrqBlend_Y_Uls_u1p15[9]   6554   1654   16554   17qLOA_HighSpeedTrqBlend_Y_Uls_u1p15[9]   17qLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]   13107   17qLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]   16384   17qLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]   16384   17qLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]   16661   17qLOA_LighSpeedTrqBlend_Y_Uls_u1p15[4]   16661   17qLOA_LighSpeedTrqBlend_Y_Uls_u1p15[4]   16661   17qLOA_LighCodain_Y_MirNimpG_u4p12[9]   37683   17qLOA_LighCodain_Y_MirNimpG_u4p12[9]   40960   17qLOA_LighCodain_Y_MirNimpG_u4p12[3]   41779   40960   17qLOA_LighCodain_Y_MirNimpG_u4p12[3]   41779   45566   45575   45		
TrqLOA_HighSpeedTrqBlend_Y_Lis_ur[15[0]   6554		
CTRQLOA_HighSpeedTrqBiend_Y_Uls_urjn5[0]   6554     CTRQLOA_HighSpeedTrqBiend_Y_Uls_urjn5[1]   9830     CTRQLOA_HighSpeedTrqBiend_Y_Uls_urjn5[2]   13107     CTRQLOA_HighSpeedTrqBiend_Y_Uls_urjn5[3]   16384     CTRQLOA_HighSpeedTrqBiend_Y_Uls_urjn5[4]   19661     CTRQLOA_HighSpeedTrqBiend_Y_Uls_urjn5[4]   19661     CTRQLOA_LadAccGain_Y_MinNmpG_udp12[0]   36664     CTRQLOA_LadAccGain_Y_MinNmpG_udp12[1]   37683     CTRQLOA_LadAccGain_Y_MinNmpG_udp12[3]   41779     CTRQLOA_LadAccGain_Y_MinNmpG_udp12[3]   41779     CTRQLOA_LadAccGain_Y_MinNmpG_udp12[3]   45096     CTRQLOA_LadAccGain_Y_MinNmpG_udp12[6]   45605     CTRQLOA_LadAccGain_Y_MinNmpG_udp12[6]   4952     CTRQLOA_LadAccGain_Y_MinNmpG_udp12[6]   4952     CTRQLOA_LadAccGain_Y_MinNmpG_udp12[7]   49971     CTRQLOA_LadAccGain_Y_MinNmpG_udp12[7]   49971     CTRQLOA_TempTrqCmdsSaYTD_MinNm_udp12[0]   5734     CTRQLOA_TempTrqCmdsSaYTD_MinNm_udp12[1]   10650     CTRQLOA_TempTrqCmdsSaYTD_MinNm_udp12[2]   15974     CTRQLOA_TempTrqCmdsSaYTD_MinNm_udp12[4]   19251     CTRQLOA_TempTrqCmdsSaYTD_MinNm_udp12[4]   19251     CTRQLOA_TempTrqCmdsSaYTD_MinNm_udp12[4]   19251     CTRQLOA_TempTrqCmdsSaYTD_MinNm_udp12[7]   24166     CTRQLOA_TempTrqCmdsSaYTD_MinNm_udp12[7]   4288     CTRQLOA_TempTrqCmdsSaYTD_MinNm_udp12[7]   4288     CTRQLOA_X (Kph_u10p6[0]   4160     CTRQLOA_X (Kph_u10p6[0]   4224     CTRQLOA_X (Kph_u10p6[0]   4224     CTRQLOA_X (Kph_u10p6[0]   4360     CTRQLOA_X (Kph_u10p6[0]   4360		
LTrqLOA_HighSpeedTrqBlend_Y_Uls_urjn5[1]   9830     LTrqLOA_HighSpeedTrqBlend_Y_Uls_urjn5[2]   13107     LTrqLOA_HighSpeedTrqBlend_Y_Uls_urjn5[3]   16384     LTrqLOA_HighSpeedTrqBlend_Y_Uls_urjn5[4]   19661     LTrqLOA_LatkcoGain_Y_MrimpG_udp12[0]   38684     LTrqLOA_LatkcoGain_Y_MrimpG_udp12[1]   37683     LTrqLOA_LatkcoGain_Y_MrimpG_udp12[2]   40960     LTrqLOA_LatkcoGain_Y_MrimpG_udp12[2]   41779     LTrqLOA_LatkcoGain_Y_MrimpG_udp12[3]   41779     LTrqLOA_LatkcoGain_Y_MrimpG_udp12[4]   45056     LTrqLOA_LatkcoGain_Y_MrimpG_udp12[6]   45875     LTrqLOA_LatkcoGain_Y_MrimpG_udp12[7]   49971     LTrqLOA_LatkcoGain_Y_MrimpG_udp12[7]   49971     LTrqLOA_LatkcoGain_Y_MrimpG_udp12[7]   49971     LTrqLOA_TempTrqCmdSaYTD_Mrim_udp12[0]   5734     LTrqLOA_TempTrqCmdSaYTD_Mrim_udp12[1]   10650     LTrqLOA_TempTrqCmdSaYTD_Mrim_udp12[3]   16794     LTrqLOA_TempTrqCmdSaYTD_Mrim_udp12[4]   19251     LTrqLOA_TempTrqCmdSaYTD_Mrim_udp12[4]   19251     LTrqLOA_TempTrqCmdSaYTD_Mrim_udp12[6]   22938     LTrqLOA_TempTrqCmdSaYTD_Mrim_udp12[7]   24166     LTrqLOA_TempTrqCmdSaYTD_Mrim_udp12[7]   4224     LTrqLOA_TempTrqCmdSaYTD_Mrim_udp12[7]   4224     LTrqLOA_X_Kph_u10p6[1]   4224     LTrqLOA_X_Kp		
LTRIQA HighSpeedTrqBlend Y_Uls_u1p15[2] 13107 LTRIQA HighSpeedTrqBlend Y_Uls_u1p15[3] 16384 LTRIQA HighSpeedTrqBlend Y_Uls_u1p15[4] 19661 LTRIQA LatAccGain_Y_MtrNmpG_u4p12[0] 36884 LTRIQA LatAccGain_Y_MtrNmpG_u4p12[1] 37883 LTRIQA LatAccGain_Y_MtrNmpG_u4p12[2] 49990 LTRIQA LatAccGain_Y_MtrNmpG_u4p12[3] 41779 LTRIQA LatAccGain_Y_MtrNmpG_u4p12[3] 41779 LTRIQA LatAccGain_Y_MtrNmpG_u4p12[4] 45056 LTRIQA LatAccGain_Y_MtrNmpG_u4p12[5] 45875 LTRIQA LatAccGain_Y_MtrNmpG_u4p12[6] 49152 LTRIQA LatAccGain_Y_MtrNmpG_u4p12[6] 49152 LTRIQA LatAccGain_Y_MtrNmpG_u4p12[6] 49152 LTRIQA LatAccGain_Y_MtrNmpG_u4p12[7] 49971 LTRIQA LatAccGain_Y_MtrNmpG_u4p12[7] 49971 LTRIQA LatAccGain_Y_MtrNmpG_u4p12[7] 49971 LTRIQA LatAccGain_Y_MtrNmpG_u4p12[7] 49971 LTRIQA LatAccGain_Y_MtrNm_u4p12[7] 10650 LTRIQA TempTriqCmdSatYTbL_MtrNm_u4p12[7] 10650 LTRIQA TempTriqCmdSatYTbL_MtrNm_u4p12[7] 15974 LTRIQA_TempTriqCmdSatYTbL_MtrNm_u4p12[8] 15974 LTRIQA_TempTriqCmdSatYTbL_MtrNm_u4p12[8] 12951 LTRIQA_TempTriqCmdSatYTbL_MtrNm_u4p12[6] 22938 LTRIQA_TempTriqCmdSatYTbL_MtrNm_u4p12[6] 2294166 LTRIQA_TempTriqCmdSatYTbL_MtrNm_u4p12[6] 2294166 LTRIQA_TempTriqCmdSatYTbL_MtrNm_u4p12[6		
TrqLOA_HighSpeedTrqBlend_Y_Uls_utp15(3)   16384     TrqLOA_HighSpeedTrqBlend_Y_Uls_utp15(4)   19661     TrqLOA_LalAccGain_Y_MirMmpG_u4p12(9)   36884     TrqLOA_LalAccGain_Y_MirMmpG_u4p12(1)   37683     TrqLOA_LalAccGain_Y_MirMmpG_u4p12(2)   40960     TrqLOA_LalAccGain_Y_MirMmpG_u4p12(3)   41779     TrqLOA_LalAccGain_Y_MirMmpG_u4p12(4)   45056     TrqLOA_LalAccGain_Y_MirMmpG_u4p12(5)   45875     TrqLOA_LalAccGain_Y_MirMmpG_u4p12(6)   49152     TrqLOA_LalAccGain_Y_MirMmpG_u4p12(7)   49971     TrqLOA_LalAccGain_Y_MirMmpG_u4p12(7)   49971     TrqLOA_TempTrqCmdSatYTbL_MirMm_u4p12(7)   5734     TrqLOA_TempTrqCmdSatYTbL_MirMm_u4p12(1)   10650     TrqLOA_TempTrqCmdSatYTbL_MirMm_u4p12(2)   15974     TrqLOA_TempTrqCmdSatYTbL_MirMm_u4p12(3)   16794     TrqLOA_TempTrqCmdSatYTbL_MirMm_u4p12(4)   19251     TrqLOA_TempTrqCmdSatYTbL_MirMm_u4p12(4)   19251     TrqLOA_TempTrqCmdSatYTbL_MirMm_u4p12(6)   20890     TrqLOA_TempTrqCmdSatYTbL_MirMm_u4p12(6)   20890     TrqLOA_TempTrqCmdSatYTbL_MirMm_u4p12(6)   20890     TrqLOA_TempTrqCmdSatYTbL_MirMm_u4p12(6)   20890     TrqLOA_TempTrqCmdSatYTbL_MirMm_u4p12(6)   22938     TrqLOA_TempTrqCmdSatYTbL_MirMm_u4p12(7)   24166     TrqLOA_TempTrqCmdSatYTbL_MirMm_u4p12(7)   24166     TrqLOA_TempTrqCmdSatYTbL_MirMm_u4p12(7)   24166     TrqLOA_X Kph_u10p6(1)   4224     TrqLOA_X Kph_u10p6(1)   4224     TrqLOA_X Kph_u10p6(1)   4224     TrqLOA_X Kph_u10p6(1)   4224     TrqLOA_X Kph_u10p6(1)   4480     TrqLOA_X Kph_u10p6(6)   4480     TrqLOA_X Kph_u10p6(6)   4480     TrqLOA_X Kph_u10p6(6)   4544     TrqLOA_X Kph_u10p6(7)   4608     TrqLOA_X Kph_		
TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]   19661     LTqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]   36864     LTqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]   37683     LTqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]   40960     LTqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]   41779     LTqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]   45056     LTqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]   48975     LTqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]   49152     LTqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]   49971     LTqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]   49971     LTqLOA_TempTrqCmdSalYToL_MtrNm_u4p12[0]   5734     LTqLOA_TempTrqCmdSalYToL_MtrNm_u4p12[1]   10650     LTqLOA_TempTrqCmdSalYToL_MtrNm_u4p12[2]   15974     LTqLOA_TempTrqCmdSalYToL_MtrNm_u4p12[3]   16794     LTqLOA_TempTrqCmdSalYToL_MtrNm_u4p12[6]   20890     LTqLOA_TempTrqCmdSalYToL_MtrNm_u4p12[6]   22938     LTqLOA_TempTrqCmdSalYToL_MtrNm_u4p12[6]   22938     LTqLOA_TempTrqCmdSalYToL_MtrNm_u4p12[6]   22938     LTqLOA_TempTrqCmdSalYToL_MtrNm_u4p12[6]   22838     LTqLOA_TempTrqCmdSalYToL_MtrNm_u4p12[6]   22838     LTqLOA_X_Kph_u10p6[0]   4160     LTqLOA_X_Kph_u10p6[1]   4224     LTqLOA_X_Kph_u10p6[2]   4288     LTqLOA_X_Kph_u10p6[2]   4288     LTqLOA_X_Kph_u10p6[3]   4352     LTqLOA_X_Kph_u10p6[6]   4480     LTqLOA_X_Kph_u10p6[7]   4808     LTqLOA_X_		
TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]   36864     TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]   37683     TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]   40960     TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]   41779     TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]   45056     TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]   45875     TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]   49152     TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]   49971     TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]   49971     TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]   5734     TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]   15974     TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]   16784     TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]   16784     TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]   16784     TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]   16784     TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]   22938     TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]   22938     TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]   22938     TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]   24166     TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]   4288     TrqLOA_X_Kph_u10p6[1]   4224     TrqLOA_X_Kph_u10p6[2]   4288     TrqLOA_X_Kph_u10p6[3]   4352     TrqLOA_X_Kph_u10p6[3]   4450     TrqLOA_X_Kph_u10p6[6]   4460     TrqLOA_X_K	t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	
TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]   37683     LTqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]   40960     LTqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]   41779     LTqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]   45056     LTqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]   45875     LTqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]   49152     LTqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]   49971     LTqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]   5734     LTqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]   10650     LTqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]   15974     LTqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]   16794     LTqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]   19251     LTqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]   20890     LTqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]   22938     LTqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]   24166     LTqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]   24166     LTqLOA_X_Kph_u10p6[1]   4224     LTqLOA_X_Kph_u10p6[1]   4224     LTqLOA_X_Kph_u10p6[2]   4288     LTqLOA_X_Kph_u10p6[3]   4352     LTqLOA_X_Kph_u10p6[6]   4460     LTqLOA_X_Kph_	t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	19661
TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	36864
LTrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	37683
CTrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	40960
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[3]       4352         t_TrqLOA_X_Kph_u10p6[3]       4480         t_TrqLOA_X_Kph_u10p6[6]       4446         t_TrqLOA_X_Kph_u10p6[7]       4608         target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_HandwheelAuthority_UIs_f32       target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_LatAcc_MpSecSq_f32       target_TrqLOA_Per1_LatAcc_WpSecSq_f32         target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_LatAccelValid_Cnt_lgc       target_TrqLOA_Per1_LatAccelValid_Cn	t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	41779
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[1]       4228         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[6]       4544         t_TrqLOA_X_Kph_u10p6[7]       4608         t_TrqLOA_X_Kph_u10p6[7]       4608         t_TrqLOA_X_Kph_u10p6[7]       4608         t_TrqLOA_X_Kph_u10p6[7]       4608         t_TrqLOA_X_Kph_u10p6[7]       4608         t_TrqLOA_TrqLOA_TrqLOA_Per1_HandwheelAuthority_UIs_f32       4608         t_TrqLO	t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	45056
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         larget_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_HandwheelAuthority_Uis_f32       target_TrqLOA_Per1_HandwheelAuthority_Uis_f32         target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32       target_TrqLOA_Per1_LatAcceValid_Cnt_Igc	t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	45875
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[1]       4224         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         larget_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_HandwheelAuthority_Uis_f32       target_TrqLOA_Per1_HandwheelAuthority_Uis_f32         target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32       target_TrqLOA_Per1_LatAcceValid_Cnt_Igc	t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	49152
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[6]         4480           t_TrqLOA_X_Kph_u10p6[6]         4544           t_TrqLOA_X_Kph_u10p6[7]         4608           target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_HandwheelAuthority_UIs_f32         target_TrqLOA_Per1_HandwheelAuthority_UIs_f32           target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_LatAccelValid_Cnt_lgc         target_TrqLOA_Per1_LatAccelValid_Cnt_lgc		49971
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2] 15974 t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3] 16794 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_TempTrqCmdSatYTbl_MtrNm_u4p12[7] 42166 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[6] 4544 t_TrqLOA_X_Kph_u10p6[7] 4608 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_Igc		
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[3]       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_TrqLOA_Per1_LatAcc_WpSecSq_f32       target_TrqLOA_Per1_LatAccelValid_Cnt_lgc		
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_Rte_inst_Ap_TrqLOA_TrqLOA_Per1_HandwheelAuthority_UIs_f32       target_TrqLOA_Per1_HandwheelAuthority_UIs_f32         target_Rte_inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32       target_TrqLOA_Per1_LatAcc_MpSecSq_f32         target_Rte_inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc       target_TrqLOA_Per1_LatAccelValid_Cnt_lgc		
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_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_HandwheelAuthority_UIs_f32       target_TrqLOA_Per1_HandwheelAuthority_UIs_f32         target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32       target_TrqLOA_Per1_LatAcc_MpSecSq_f32         target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc       target_TrqLOA_Per1_LatAccelValid_Cnt_lgc		
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_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_HandwheelAuthority_UIs_f32       target_TrqLOA_Per1_HandwheelAuthority_UIs_f32         target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32       target_TrqLOA_Per1_LatAcc_MpSecSq_f32         target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc       target_TrqLOA_Per1_LatAccelValid_Cnt_lgc		
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_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_HandwheelAuthority_UIs_f32       target_TrqLOA_Per1_HandwheelAuthority_UIs_f32         target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32       target_TrqLOA_Per1_LatAcc_MpSecSq_f32         target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc       target_TrqLOA_Per1_LatAccelValid_Cnt_lgc		
t_TrqLOA_TempTrqCmdSatYTbi_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_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_HandwheelAuthority_UIs_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_Igc		
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_UIs_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_Igc		
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_UIs_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_Igc		
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_UIs_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_Igc		
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		
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_UIs_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_Igc		
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_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		
t_TrqLOA_X_Kph_u10p6[6] 4544  t_TrqLOA_X_Kph_u10p6[7] 4608  target_Rte_Inst_Ap_TrqLOA_Per1_HandwheelAuthority_Uls_f32 target_Rte_Inst_Ap_TrqLOA_Per1_LatAcc_MpSecSq_f32 target_Rte_Inst_Ap_TrqLOA_Per1_LatAcc_MpSecSq_f32 target_Rte_Inst_Ap_TrqLOA_Per1_LatAccelValid_Cnt_Igc target_TrqLOA_Per1_LatAccelValid_Cnt_Igc		
t_TrqLOA_X_Kph_u10p6[7] 4608  target_Rte_Inst_Ap_TrqLOA_Per1_HandwheelAuthority_Uls_f32 target_Rte_Inst_Ap_TrqLOA_Per1_LatAcc_MpSecSq_f32 target_Rte_Inst_Ap_TrqLOA_Per1_LatAcc_MpSecSq_f32 target_Rte_Inst_Ap_TrqLOA_Per1_LatAccelValid_Cnt_Igc target_Rte_Inst_Ap_TrqLOA_Per1_LatAccelValid_Cnt_Igc		
target_Rte_Inst_Ap_TrqLOA_Per1_HandwheelAuthority_Uls_f32 target_Rte_Inst_Ap_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_LatAcc_MpSecSq_f32 target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_Igc target_TrqLOA_Per1_LatAccelValid_Cnt_Igc		
target_Rte_Inst_Ap_TrqLOA_Per1_LatAccelValid_Cnt_Igc target_TrqLOA_Per1_LatAccelValid_Cnt_Igc		
target Pte Inst An Trai OA Trai OA Per1 MotAgl gaMtathEn Cht Ins		
Idiget_ne_net_Ap_nqtoA.nqtoA_ren_wowgtoawigintin_ont_ge laiget_nqtoA_ren_wowgtoawigintin_ont_ge	target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc

target\_TrqLOA\_Per1\_TrqLOACmd\_MtrNm\_f32.value





Name	Input Value		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF	_MtrRadpS_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_	_HwDeg_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_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_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	-0.675880969		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-1273.69678		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-238.016922		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	456.901947		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.831746042	0.831746042	~
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.173075408	0.173075408 ± 0.01	<b>✓</b>
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 Igc.value	0	0	<b>✓</b>

0

0 ± 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	0.25	
rqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0684999973	
rqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	1.82934463	
rqLOA_TloaCmd_MtrNm_M_f32	-4	
rqLOA_TrqBasedScaleFactor_Uls_M_f32	-1.16281998	
TrqLOA AbsAssistThreshold MtrNm f32	4.86534548	
TrqLOA AbsVelThreshold MtrRadpS f32	867.851563	
TrqLOA DiffScaleRateLimiterFalling UlspS f32	-53.6917267	
TrqLOA DiffScaleRateLimiterRising UlspS f32	16.691412	
TrqLOA FallingRampRate UlspS f32	-374.097443	
TrqLOA LatAccConversionFactor Uls f32	9.38450527	
TrqLOA LimOutput MtrNm f32	7.53103209	
_TrqLOA_MaxScaleFactor_Uls_f32	1	
TrqLOA_MinScaleFactor_Uls_f32	1	
_TrqLOA_NomDrvTrq_MtrNm_f32	8.40066051	
_TrqLOA_RisingRampRate_UlspS_f32	637.547485	
_TrqLOA_SteerRatio_Uls_f32	1.25581121	
_TrqLOA_UndersteerGrad_RadpG_f32	0.25	
_TrqLOA_Wheelbase_M_f32	11.7385378	
2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	10158	
2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	12124	
2_frqLOA_DiffGainY_Uls_u1p15[0][2]	12780	
2_frqLOA_DiffGainY_Uls_u1p15[0][3]	13107	
2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	10158	
rrqLOA_DiffGainY_Uls_u1p15[1][1]	12124	
2_frqLOA_DiffGainY_Uls_u1p15[1][2]	12780	
2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	13107	
2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	10158	
	12124	
2_TrqLOA_DiffGainY_Uls_u1p15[2][1] 2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	12780	
2_frqLOA_DiliGain1_0is_u1p15[2][2] 2_frqLOA_DiffGainY_Uls_u1p15[2][3]	13107	
2 TrqLOA_DiffGainY_UIs_u1p15[3][0]	10158	
2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	12124	
2 TrqLOA_DiffGainY_Uls_u1p15[3][2]	12780	
_ , ,,	13107	
2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	10158	
2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	12124	
2_TrqLOA_DiffGainY_UIs_u1p15[4][1]	12780	
2_TrqLOA_DiffGainY_UIs_u1p15[4][2]		
2_TrqLOA_DiffGainY_UIs_u1p15[4][3]	13107 10158	
2_TrqLOA_DiffGainY_UIs_u1p15[5][0]	12124	
2_TrqLOA_DiffGainY_Uls_u1p15[5][1]		
2_TrqLOA_DiffGainY_UIs_u1p15[5][2]	12780	
2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	13107	

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TrqLOA\_Per1



Name	Input Value		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	12124		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	12780		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	13107		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	10158		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	12124		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	12780		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	13107		
t_TrqLOA_DiffGainX_G_u2p14[0]	14090		
t_TrqLOA_DiffGainX_G_u2p14[1]	15073		
t_TrqLOA_DiffGainX_G_u2p14[2]	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 17600		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	6554		
t_TrqLOA_HighSpeedTrqBlend_Y_UIs_u1p15[0]	9830		
t_TrqLOA_HighSpeedTrqBlend_Y_UIs_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_highSpeed11qbierid_1_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_EarAccGain Y MtrNmpG u4p12[3]	56934		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	58163		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	60211		
t TrqLOA LatAccGain Y MtrNmpG u4p12[6]	60621		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	61030		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	6554		
t TrqLOA TempTrqCmdSatYTbl MtrNm u4p12[1]	11878		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	16794		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	17203		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	20070		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	21709		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	24166		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	24986		
t_TrqLOA_X_Kph_u10p6[0]	4672		
t_TrqLOA_X_Kph_u10p6[1]	4736		
t_TrqLOA_X_Kph_u10p6[2]	4800		
t_TrqLOA_X_Kph_u10p6[3]	4864		
t_TrqLOA_X_Kph_u10p6[4]	4928		
t_TrqLOA_X_Kph_u10p6[5]	4992		
t_TrqLOA_X_Kph_u10p6[6]	5056		
t_TrqLOA_X_Kph_u10p6[7]	5120		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_Handwhee		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_Mp		
target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_LatAccelValid_Cnt_Igc	target_TrqLOA_Per1_LatAccelVa		
target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_Igc	target_TrqLOA_Per1_MotAgLoal		
target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_RelHwPos_ 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_TrqLOACmd_intrivin_isz 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 TrgLOA Per1 HandwheelAuthority Uls f32.value	0.780942917	.σσ_πρι1_ισ <u>ε</u>	
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_UIs_M_f32	0.89261651	0.89261657	- Itoban
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	
TrqLOA_TloaCmd_MtrNm_M_f32	-0.122276023	-0.122275971 ± 0.01	•
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.112275004	0.112274952 ± 0.01	-
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	•

-0.122276023

target\_TrqLOA\_Per1\_TrqLOACmd\_MtrNm\_f32.value

-0.122275971 ± 0.01





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





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_HandwheelAutl	hority_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_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_HwDeg_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc	target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpeed_	Kph_f32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0.214750648		
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	
<pre>&lt;_TrqLOA_LatAccConversionFactor_Uls_f32</pre>	0.827212989	
<_TrqLOA_LimOutput_MtrNm_f32	0.884970009	
k_TrqLOA_MaxScaleFactor_Uls_f32	0.665714741	
<pre>&lt;_TrqLOA_MinScaleFactor_Uls_f32</pre>	0.460229158	
<pre>&lt;_TrqLOA_NomDrvTrq_MtrNm_f32</pre>	6.75210524	
C_TrqLOA_RisingRampRate_UlspS_f32	446.973755	
C_TrqLOA_SteerRatio_Uls_f32	24.7843513	
C_TrqLOA_UndersteerGrad_RadpG_f32	0.25	
k_TrqLOA_Wheelbase_M_f32	13.5554199	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	32768	

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TrqLOA\_Per1



Name	Input Value
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]	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
2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	21299
12_TrqLOA_DiffGainY_Uls_u1p15[2][3]	26214
12_TrqLOA_DiffGainY_Uls_u1p15[3][0]	17367
12_TrqLOA_DiffGainY_Uls_u1p15[3][1]	19333
2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	21299
12_TrqLOA_DiffGainY_Uls_u1p15[3][3]	26214
12_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_UIs_u1p15[5][1]	19333
2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	21299
z_rrqLOA_DiffGainY_Uls_u1p15[5][2]	26214
	17367
2_TrqLOA_DiffGainY_UIs_u1p15[6][0]	19333
2_TrqLOA_DiffGainY_UIs_u1p15[6][1]	19333
2_TrqLOA_DiffGainY_UIs_u1p15[6][2]	
12_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]	17695
_TrqLOA_DiffGainX_G_u2p14[1]	18678
t_TrqLOA_DiffGainX_G_u2p14[2]	21299
t_TrqLOA_DiffGainX_G_u2p14[3]	29491
:_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
:_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	13107
_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	16384
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	19661
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	20480
:_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	21299
: TrqLOA LatAccGain Y MtrNmpG u4p12[2]	24576
TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	25395
:_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	28672
TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	29491
_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	32768
_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	33587
:_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	8192
rrqLOA_rempTrqCmdSatYTbl_MtrNm_u4p12[1]	14336
rrqLOA_rempTrqCnidSatYTbl_MtrNm_u4p12[2]	18432
: TrqLOA_rempTrqCmdSatYTbl_MtrNm_u4p12[3]	18022
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	21709
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	23347
_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	26624
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	26624
_TrqLOA_X_Kph_u10p6[0]	5696
_TrqLOA_X_Kph_u10p6[1]	5760
:_TrqLOA_X_Kph_u10p6[2]	5824
t_TrqLOA_X_Kph_u10p6[3]	5888
:_TrqLOA_X_Kph_u10p6[4]	5952
:_TrqLOA_X_Kph_u10p6[5]	6016
:_TrqLOA_X_Kph_u10p6[6]	6080
TrqLOA_X_Kph_u10p6[7]	6144
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32
arget_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecSq_f32
arget_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_Igc	target_TrqLOA_Per1_LatAccelValid_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_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_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	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 TrgLOA Per1 TrgLOAAvail Cnt lgc.value	1	1	•

-0.884970009

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	0.070000003	
TrgLOA ScaledMtrTrgCmd MtrNm M f32	3.66137505	
TrqLOA_TloaCmd_MtrNm_M_f32	-2.5	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	2	
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	3.75012302	
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	131.759247	
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-59.3503685	
TrgLOA DiffScaleRateLimiterRising UlspS f32	12.0358582	
k TrqLOA FallingRampRate UlspS f32	-120.204285	
k TrqLOA_r allingramprate_olspo_lsz k TrqLOA LatAccConversionFactor Uls f32	10	
k_TrqLOA_LimOutput_MtrNm_f32	1.80586672	
k_TrqLOA_LiniOdiput_Mithin_i32	1.0000072	
k_TrqLOA_MinScaleFactor_Uls_f32	1	
k_TrqLOA_NomDrvTrq_MtrNm_f32	6.13124275	
k_TrqLOA_RisingRampRate_UlspS_f32	743.417419	
k_TrqLOA_SteerRatio_Uls_f32	50.2993546	
k TrqLOA_Gleen\alio_Gls_i32	0.25	
k TrqLOA_UndersteerGrau_reaupg_loz	8.21659184	
12 TrqLOA_WifeGinSt Uls u1p15[0][0]	655	
IZ_TIQLOA_DINGAINT_DIS_UTPT5[0][0] IZ_TIQLOA_DIffGainY_UIs_u1p15[0][1]	2458	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1] t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	4915	
	6226	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	655	
12_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_Uls_u1p15[2][0]	655	
t2_TrqLOA_DiffGainY_UIs_u1p15[2][1]	2458	
12_TrqLOA_DiffGainY_UIs_u1p15[2][2]	4915	
I2_TrqLOA_DiffGainY_UIs_u1p15[2][3]	6226	
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	655	
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	2458	
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	4915	
2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	6226	
l2_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	
t2_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_UIs_u1p15[7][0]	655		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	2458		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	4915		
t2_TrqLOA_DiffGainY_UIs_u1p15[7][3]	6226		
t_TrqLOA_DiffGainX_G_u2p14[0]	328		
t_TrqLOA_DiffGainX_G_u2p14[1] t_TrqLOA_DiffGainX_G_u2p14[2]	1229 2458		
t_TrqLOA_DiffGainX_G_u2p14[3]	3113		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	16320		
t TrqLOA HighSpeedTrqBlend X Kph u10p6[1]	16640		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	16960		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	17280		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	17600		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	6554		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	9830		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	13107		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	16384		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	19661		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0] t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	36864 37683		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	40960		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	41779		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	45056		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	45875		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	49152		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	49971		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	9011		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	15565		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	19251		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	18432		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	22528		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	24166 27853		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6] t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	27443		
t_TrqLOA_X_Kph_u10p6[0]	6208		
t_TrqLOA_X_Kph_u10p6[1]	6272		
t_TrqLOA_X_Kph_u10p6[2]	6336		
t_TrqLOA_X_Kph_u10p6[3]	6400		
t_TrqLOA_X_Kph_u10p6[4]	6464		
t_TrqLOA_X_Kph_u10p6[5]	6528		
t_TrqLOA_X_Kph_u10p6[6]	6592		
t_TrqLOA_X_Kph_u10p6[7]	6656		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_Handwheel	,	
target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_Mp8		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_Igc target_Rte_Inst_Ap_TrqLOA.TrqLOA Per1_MotAqLoaMtqtnEn_Cnt_Igc	target_TrqLOA_Per1_LatAccelVal target TrqLOA Per1 MotAgLoaM		
target Rte Inst Ap TrqLOA.TrqLOA Per1 MtrVelCRF MtrRadpS f32	target_TrqLOA_Per1_MtrVelCRF_		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOAAva		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmo		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc	target_TrqLOA_Per1_VehicleSpee		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpee	ed_Kph_f32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0.919281602		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	8.82346725		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	0		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-1616.61987		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-709.949158 0		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc.value target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	365.18869		
Name		Expected Value	Passit
TrqLOA_LatAccScaleFactor_Uls_M_f32	Actual Value	0.881299257	Result
TrqLOA_LatAccsCaleFactor_Uis_M_f32 TrqLOA_LatAccelSV_g_M_Str.SV_Uis_f32	0.881299257 0.305118859	0.881299257 0.305118859 ± 0.01	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-2.92161059	-2.92161107 ± 0.01	
TrqLOA_TloaCmd_MtrNm_M_f32	-1.80586672	-1.80586672 ± 0.01	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	1.75959146	1.75959146 ± 0.01	
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	•





Test Step 2.114 (Repeat Count = 1)	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_Handwhee	IAuthority_Uls_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_Mp	oSecSq_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_Per1_VehicleSpeedValid_Cnt_Igc	target TrqLOA Per1 VehicleSpeedValid Cnt Igc		
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	-6.70205975		
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
TrgLOA LatAccScaleFactor UIs 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	
TrgLOA TloaCmd MtrNm M f32	0	0 ± 0.01	
TrqLOA TrqBasedScaleFactor Uls M f32	0.498461246	0.498461246 ± 0.01	
target TrqLOA Per1 TrqLOAAvail Cnt Igc.value	0	0	
target TrqLOA Per1 TrqLOACmd MtrNm f32.value	0	0 ± 0.01	

Name	Input Value	
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA	
TrqLOA_LatAccScaleFactor_Uls_M_f32	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





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_TrqLOAAvail_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOAC	md_MtrNm_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSp	eedValid_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSp	peed_Kph_f32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	1		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	8.28095341		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	0		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	942.877319		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-470.462677		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	237.49881		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.902781188	0.902781188	✓
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.432089001	0.432089001 ± 0.01	✓
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0 0 ± 0.01		
TrqLOA_TloaCmd_MtrNm_M_f32	0 0 ± 0.01		
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	1 1 ± 0.01		
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	1		
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0	0 ± 0.01	~

Test Step 2.116 (Repeat Count = 1) Name	Input Value	
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA	
TrqLOA LatAccScaleFactor Uls M f32	1	
TrqLOA_LatAccelSV g M Str.SV Uls f32	0.550000012	
	0.0715000033	
TrqLOA_LatAccelSV_g_M_Str.K_UIs_f32	-1.32079208	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-1.320/9208 -1	
TrqLOA_TloaCmd_MtrNm_M_f32 TrqLOA_TrqBasedScaleFactor Uls M f32	1.37349057	
· - ·	10	
<_TrqLOA_Abs\sistThreshold_MtrNm_f32		
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	417.774933	
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-92.0521927	
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	65.2838593	
k_TrqLOA_FallingRampRate_UlspS_f32	-230.849899	
k_TrqLOA_LatAccConversionFactor_Uls_f32	10	
k_TrqLOA_LimOutput_MtrNm_f32	1.3696003	
k_TrqLOA_MaxScaleFactor_Uls_f32	1	
k_TrqLOA_MinScaleFactor_Uls_f32	1	
k_TrqLOA_NomDrvTrq_MtrNm_f32	7.26509142	
k_TrqLOA_RisingRampRate_UlspS_f32	19.8123493	
<_TrqLOA_SteerRatio_Uls_f32	20.5512066	
k_TrqLOA_UndersteerGrad_RadpG_f32	0.215767324	
k_TrqLOA_Wheelbase_M_f32	2.07911134	
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	
2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	17039	
t2_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_UIs_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	
12_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]	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 Uls 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			
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)	Innut Value
Name	Input Value
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.19543159
TrqLOA_LatAccelSV_g_M_Str.SV_UIs_f32	0.60000024
TrqLOA_LatAccelSV_g_M_Str.K_UIs_f32	0.0719999969
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	6.3116827
TrqLOA_TloaCmd_MtrNm_M_f32	-0.5 2
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	7.97127008
k_TrqLOA_AbsAssistThreshold_MtrNm_f32 k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	36.6413078
k_TrqLOA_Ausvernireshold_Withtaups_l32	-92.0732269
k TrgLOA DiffScaleRateLimiterRising UlspS f32	46.1544571
k TrgLOA FallingRampRate UlspS f32	-543.844055
k_TrqLOA_LatAccConversionFactor_Uls_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]	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]	0
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	0
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	0
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	0
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	26214
t2_TrqLOA_DiffGainY_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 26214
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3] t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	17367
t2_TrqLOA_DiliGainY_Dis_u1p15[7][0] t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	19333
t2_frqLOA_biliGalifY_bis_u1p15[7][1] t2_TrqLOA_biffGainY_Uls_u1p15[7][2]	21299
t2_TrqLOA_DiliGainY_Uis_u1p15[7][2] 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]	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





22528		
OA_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_MtrVelCRF_MtrRadpS_f32		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32		
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc		
OA_Per1_TrqLOACmd_MtrNm_f32		
OA_Per1_VehicleSpeedValid_Cnt_lgc		
OA_Per1_VehicleSpeed_Kph_f32		
31 3		
5		
9		
1 304.914886		
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_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	0.0724999979	
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	
<_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-60.7743607	
<_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	51.3350792	
k_TrqLOA_FallingRampRate_UlspS_f32	-81.2285538	
<_TrqLOA_LatAccConversionFactor_Uls_f32	5.59152317	
<_TrqLOA_LimOutput_MtrNm_f32	2.01894808	
<pre>&lt;_TrqLOA_MaxScaleFactor_Uls_f32</pre>	0.768612146	
C_TrqLOA_MinScaleFactor_Uls_f32	0.370501518	
c_TrqLOA_NomDrvTrq_MtrNm_f32	3.48720717	
_TrqLOA_RisingRampRate_UlspS_f32	493.299835	
C_TrqLOA_SteerRatio_Uls_f32	94.0239563	
C_TrqLOA_UndersteerGrad_RadpG_f32	0.103192776	
c_TrqLOA_Wheelbase_M_f32	3.4305203	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	655	





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





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_TrqLOAAvail_Cnt_Igc			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACr	nd_MtrNm_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSp	eedValid_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSp	eed_Kph_f32		
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0.420737267			
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	<b>✓</b>	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.651854038	0.651854038 ± 0.01	<b>✓</b>	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0 0 ± 0.01			
TrqLOA_TloaCmd_MtrNm_M_f32	0 0 ± 0.01			
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-0.550782979 -0.550783038 ± 0.01			
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	~	
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0	0 ± 0.01	<b>✓</b>	

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	0.10000001	
TrqLOA LatAccelSV g M Str.K Uls f32	0.072999989	
TrqLOA ScaledMtrTrqCmd MtrNm M f32	-1.82143354	
TrqLOA_TloaCmd_MtrNm_M_f32	0.5	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-0.583380878	
<pre>&lt;_TrqLOA_AbsAssistThreshold_MtrNm_f32</pre>	4.14999008	
<pre>c_rqLOA_AbsVelThreshold_MtrRadpS_f32</pre>	876.559387	
<pre>&lt;_rrqLOA_DiffScaleRateLimiterFalling_UlspS_f32</pre>	-77.9407883	
TrgLOA DiffScaleRateLimiterRising UlspS f32	59.853447	
TrgLOA FallingRampRate UlspS f32	-352.786621	
TrqLOA_I alling/tamp/tate_olspo_ls2 TrqLOA LatAccConversionFactor Uls f32	6.628057	
<pre>&lt;_TrqLOA_LimOutput_MtrNm_f32</pre>	2.33613467	
<pre>&lt;_TrqLOA_Emioutput_witnin_io2</pre> <_TrqLOA_MaxScaleFactor_Uls_f32	1	
<pre>&lt;_frqLOA_MinScaleFactor_Uls_f32</pre>	0.544707656	
<pre>&lt;_TrqLOA_NomDrvTrq_MtrNm_f32</pre>	6.10560083	
<pre>c_rrqLOA_RisingRampRate_UlspS_f32</pre>	266.088531	
<pre>&lt;_rrqLOA_SteerRatio_Uls_f32</pre>	5.45895815	
TrqLOA_SteerNatio_Gis_i32 TrqLOA UndersteerGrad RadpG f32	0.25	
CTrqLOA_OndersteerGrau_NaupG_I32	6.65763712	
2 TrqLOA DiffGainY Uls u1p15[0][0]	6554	
_ , ,,	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	
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_Uls_u1p15[7][1]	8192			
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	9503			
t2_TrqLOA_DiffGainY_UIs_u1p15[7][3]	9830			
t_TrqLOA_DiffGainX_G_u2p14[0]	12288			
t_TrqLOA_DiffGainX_G_u2p14[1] t_TrqLOA_DiffGainX_G_u2p14[2]	13271 14909			
t_TrqLOA_DiffGainX_G_u2p14[3]	19661			
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	6720			
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	7040			
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	7360			
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	7680			
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	8000			
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	6554			
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	9830			
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	13107			
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	16384			
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	19661			
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	4096			
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1] t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	4915 8192			
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	9011			
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	12288			
t TrqLOA LatAccGain Y MtrNmpG u4p12[5]	13107			
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	16384			
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	17203			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	13926			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	22938			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	24166			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	20890			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	27443			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	29082 35226			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6] t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	32358			
t_TrqLOA_X_Kph_u10p6[0]	9280			
t_TrqLOA_X_Kph_u10p6[1]	9344			
t_TrqLOA_X_Kph_u10p6[2]	9408			
t_TrqLOA_X_Kph_u10p6[3]	9472			
t_TrqLOA_X_Kph_u10p6[4]	9536			
t_TrqLOA_X_Kph_u10p6[5]	9600			
t_TrqLOA_X_Kph_u10p6[6]	9664			
t_TrqLOA_X_Kph_u10p6[7]	9728			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_Handwheel			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_Mp			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelVal			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MotAgLoaN target_TrqLOA_Per1_MtrVelCRF_	· ·		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_			
target Rte Inst Ap TrqLOA.TrqLOA Per1 TrqLOAAvail Cnt Igc	target_TrqLOA_Per1_TrqLOAAva			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACm			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSpe			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpe			
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0.147906661			
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	1.12150919			
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0			
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	0			
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	1629.86719			
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	689.825684			
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	341.284576			
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value		Expected Value	Parent!	
Name Trail OA LetAceScaleFactor, Ille, M. 622	Actual Value	Expected Value	Result	
TrqLOA_LatAccScaleFactor_Uls_M_f32 TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.844118416 0.718517244	0.844118416 0.718517303 ± 0.01		
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0.718517244	0.718517303 ± 0.01 0 ± 0.01		
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01		
	-0.0512037873 -0.0512038134 ± 0.01			
IrgLOA IrgBasedScaleFactor UIs M 132				
TrqLOA_TrqBasedScaleFactor_Uls_M_f32 target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	•	





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





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	32768		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	33587			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	4096			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	8192			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	14336			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	15974			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	17613			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	19251			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	20480			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	22528			
t_TrqLOA_X_Kph_u10p6[0]	9792			
t_TrqLOA_X_Kph_u10p6[1]	9856			
t_TrqLOA_X_Kph_u10p6[2]	9920			
t_TrqLOA_X_Kph_u10p6[3]	9984			
t_TrqLOA_X_Kph_u10p6[4]	10048			
t_TrqLOA_X_Kph_u10p6[5]	10112			
t_TrqLOA_X_Kph_u10p6[6]	10176			
t_TrqLOA_X_Kph_u10p6[7]	10240			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_Handwhee	elAuthority_Uls_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_M	pSecSq_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_Igc	target_TrqLOA_Per1_LatAccelValid_Cnt_lgc			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_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_TrqLOACr	nd_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_VehicleSpeed_Kph_f32			
target_TrqLOA_Per1_HandwheelAuthority_UIs_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			
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			

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





Name	Input Value
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	15729 17039
t2_TrqLOA_DiffGainY_UIs_u1p15[2][2] t2_TrqLOA_DiffGainY_UIs_u1p15[2][3]	19661
t2_TrqLOA_DiriGainY_Uls_u1p15[2][0]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	17039
t2_TrqLOA_DiffGainY_UIs_u1p15[5][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	13763
t2_TrqLOA_DiffGainY_UIs_u1p15[6][1]	15729
t2_TrqLOA_DiffGainY_UIs_u1p15[6][2]	17039
t2_TrqLOA_DiffGainY_UIs_u1p15[6][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	19661
t_TrqLOA_DiffGainX_G_u2p14[0]	15892
t_TrqLOA_DiffGainX_G_u2p14[1]	16876
t_TrqLOA_DiffGainX_G_u2p14[2]	19169
t_TrqLOA_DiffGainX_G_u2p14[3]	26214
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	9920
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	10240 10560
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2] t TrqLOA HighSpeedTrqBlend X Kph u10p6[3]	10880
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	11200
t TrqLOA_highSpeedTrqBlend Y Uls u1p15[0]	6554
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	16384
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	19661
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	36864
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	37683
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	40960
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	41779
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	45056
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	45875
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	49152
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	49971
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	4915
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	9421
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	15155
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	16384
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	18432
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	20070
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	21709
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	23347
t_TrqLOA_X_Kph_u10p6[0]	10304
t_TrqLOA_X_Kph_u10p6[1]	10368
t_TrqLOA_X_Kph_u10p6[2]	10432
t_TrqLOA_X_Kph_u10p6[3]	10496
t_TrqLOA_X_Kph_u10p6[4]	10560
t_TrqLOA_X_Kph_u10p6[5]	10624
t_TrqLOA_X_Kph_u10p6[6]	10688 10752
t_TrqLOA_X_Kph_u10p6[7]	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_UIs_f32	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32 target_TrqLOA_Per1_LatAcc_MpSecSq_f32
target Rte Inst An Irgi ()A Irgi ()A Peri Latace Massessa (2)	
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





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	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	0.663388848		
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	<b>✓</b>
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	<b>✓</b>

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

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Name	Input Value		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	19333		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	21299		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	26214		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	17367		
t2_TrqLOA_DiffGainY_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]	11520		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	11840		
	12160		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]			
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		
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		
	5734		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	10650		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	15974		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	16794		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	19251		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	20890		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	22938		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	24166		
t_TrqLOA_X_Kph_u10p6[0]	10816		
t_TrqLOA_X_Kph_u10p6[1]	10880		
t_TrqLOA_X_Kph_u10p6[2]	10944		
t_TrqLOA_X_Kph_u10p6[3]	11008		
t TrqLOA X Kph u10p6[4]	11072		
t TrqLOA X Kph u10p6[5]	11136		
t_TrqLOA_X_Kph_u10p6[6]	11200		
	11264		
t_TrqLOA_X_Kph_u10p6[7]	11-41	-14464111 600	
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_MtrVelCRI	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	vail_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACr	md_MtrNm_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc	target_TrqLOA_Per1_VehicleSp	eedValid_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSp		
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0.256499767	_ · <del>_</del>	
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-3.89680552		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	0		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-1356.30872		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	968.051514		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc.value	0		
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	3.3841362	3.38413596 ± 0.01	<b>✓</b>
TrqLOA_TloaCmd_MtrNm_M_f32	3.3841362	3.38413596 ± 0.01	
		1 ± 0.01	
Trol OA TroBasedScaleFactor Uls M f32			
TrqLOA_TrqBasedScaleFactor_Uls_M_f32 target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	



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

TrqLOA\_Per1

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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_HandwheelAuthori	ty_Uls_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecSq_	_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_Igc	target_TrqLOA_Per1_LatAccelValid_Cnt	_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMtgtnEn	_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_HwDeg	_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc	target_TrqLOA_Per1_TrqLOAAvail_Cnt_	<u>lgc</u>	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_MtrN	m_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSpeedValid	I_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpeed_Kph	n_f32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0.000482439995		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-3.73393083		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-1515.99487		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	49.722393		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	288.431671		
Name	Actual Value	Expected Value	Result

TrqLOA\_Lat/X22303leFa 0

d\_Kph\_f32





Name	Input Value
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	9830
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	8192
t2_TrqLOA_DiffGainY_UIs_u1p15[1][2]	9503
t2_TrqLOA_DiffGainY_UIs_u1p15[1][3]	9830
t2_TrqLOA_DiffGainY_UIs_u1p15[2][0]	6554
t2_TrqLOA_DiffGainY_UIs_u1p15[2][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	9830
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	8192
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	9830
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	32768
t2_TrqLOA_DiffGainY_UIs_u1p15[4][2]	32768 32768
t2_TrqLOA_DiffGainY_UIs_u1p15[4][3]	6554
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0] t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	8192
tz_irqLoA_birgainY_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

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TrqLOA\_Per1

Name	Input Value			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_HwDeg_f32			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc	target_TrqLOA_Per1_TrqLOAAvail_C	:nt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_M	ltrNm_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSpeedV	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	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	0		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-424.722809			
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-863.749573			
target_TrqLOA_Per1_Vehi				
target_TrqLOA_Per1_VehicleSpeed_kpn_r3z.value	500.476563			
Name	Actual Value	Expected Value	Result	
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.144162491	0.144162491	<b>✓</b>	
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
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0759999976
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	4.52058029
TrqLOA_TloaCmd_MtrNm_M_f32	3.5
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-1.57367921
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	9.38729286
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	233.491806
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-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
©_TrqLOA_MinScaleFactor_Uls_f32	0.996097684
k_TrqLOA_NomDrvTrq_MtrNm_f32	5.03396273
k_TrqLOA_RisingRampRate_UlspS_f32	<b>#8.</b> 190 <i>2777</i> 11
k_TrqLOA_SteerRatio_Uls_f32	<b>3</b> 4.510=

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12352 12416		
12672 12736		
12800		
r1_HandwheelAuthority_Uls_f32		
r1_LatAcc_MpSecSq_f32		
r1 LatAccelValid Cnt Igc		
r1_MotAgLoaMtgtnEn_Cnt_lgc		
r1_MtrVelCRF_MtrRadpS_f32		
r1_RelHwPos_HwDeg_f32		
r1_TrqLOAAvail_Cnt_lgc		
r1_TrqLOACmd_MtrNm_f32		
r1_VehicleSpeedValid_Cnt_lgc		
r1_VehicleSpeed_Kph_f32		
Expected Value Resu		
0.866319358		
0.407827318 ± 0.01		
0 ± 0.01		
0 ± 0.01		
-1.47729874 ± 0.01		
0		

0

0 ± 0.01

target\_TrqLOA\_Per1\_TrqLOACmd\_MtrNm\_f32.value



Test Step 2.126 (Repeat Count = 1)	Input Value
Name  Rto Jost Ap Trol 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		
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_VehicleS	Speed_Kph_f32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	1		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	3.36877322		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	1302.61328		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-340.970886		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	21.4021606		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.115552805	0.115552798	•
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.408950448	0.408950478 ± 0.01	•
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	•
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	•
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-0.0340731144	-0.0340731964 ± 0.01	•
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	•
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0	0 ± 0.01	•

Name	Input Value	
Rte Inst Ap TrgLOA	target Rte Inst Ap 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	0.0769999996	
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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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
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
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	32768
t2_TrqLOA_DiffGainY_UIs_u1p15[5][1]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	32768
t2_TrqLOA_DiffGainY_UIs_u1p15[6][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	21299
t2_TrqLOA_DiffGainY_UIs_u1p15[7][3]	26214
t_TrqLOA_DiffGainX_G_u2p14[0]	8684
t_TrqLOA_DiffGainX_G_u2p14[1]	9667
t_TrqLOA_DiffGainX_G_u2p14[2]	10650
t_TrqLOA_DiffGainX_G_u2p14[3]	13107
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	19520
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	19840
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	20160
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	20480
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	20800 6554
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1] 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]	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_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32
gorpq-or or i_rialiamileor.actionty_0to_toz	1
target Rte Inst Ap TrgLOA TrgLOA Per1 LatAcc MpSecSg 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



-0.0731231719 ± 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_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	3.80063248		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-1231.90735		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-442.899658		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	451.846344		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.993929803	0.993929803	~
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.343736827	0.343736857 ± 0.01	<b>✓</b>
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_Gealcumit riqoma_mitrini_m_io2	5	
TrqLOA_Troacrid_MitMII_M_I32 TrqLOA TrqBasedScaleFactor Uls M f32	-0.391814232	
<pre>&lt;_TrqLOA_NdsAssistThreshold_MtrNm_f32</pre>	5.38269758	
CTrqLOA AbsVelThreshold MtrRadpS f32	851.174866	
TrqLOA_biffScaleRateLimiterFalling UlspS f32	-82 625946	
<pre>&lt;_TrqLOA_DiffScaleRateLimiterFailing_UlspS_f32</pre>	46.064209	
	-193.040192	
<_TrqLOA_FallingRampRate_UlspS_f32 < TrqLOA LatAccConversionFactor Uls f32	5.52927876	
	3.99039626	
<pre>&lt;_TrqLOA_LimOutput_MtrNm_f32 &lt;_TrqLOA_MaxScaleFactor_Uls_f32</pre>	3.99039626	
	1	
<pre>&lt;_TrqLOA_MinScaleFactor_Uls_f32</pre> < TrqLOA_NomDrvTrq_MtrNm_f32	7.06337452	
	713.560303	
<pre>&lt;_TrqLOA_RisingRampRate_UlspS_f32</pre>	70.9857712	
<pre>&lt;_TrqLOA_SteerRatio_Uls_f32</pre>	0.0938361883	
<pre>c_TrqLOA_UndersteerGrad_RadpG_f32</pre>	12.6651964	
	655	
2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	1	
2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	2458	
2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	4915 6226	
2_TrqLOA_DiffGainY_Uls_u1p15[0][3]		
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]	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]	655	

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Name	Input Value		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	2458		
t2 TrgLOA DiffGainY Uls u1p15[6][2]	4915		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	6226		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	655		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	2458		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	4915		
t2_TrqLOA_DiffGainY_UIs_u1p15[7][3]	6226		
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		
	21120		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	21120		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]			
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	21760		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	22080		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	22400		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	6554		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	9830		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	13107		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	16384		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	19661		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	20480		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	21299		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	24576		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	25395		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	28672		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	29491		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	32768		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	33587		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	10650		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	18022		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	20890		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	19251		
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]	13952		
t_TrqLOA_X_Kph_u10p6[3]	14080		
t_TrqLOA_X_Kph_u10p6[4]	14144		
t TrqLOA X Kph u10p6[5]	14208		
	14272		
t_TrqLOA_X_Kph_u10p6[6]			
t_TrqLOA_X_Kph_u10p6[7]	14336		
target_Rte_Inst_Ap_TrqLOA_TrqLOA_Per1_HandwheelAuthority_UIs_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		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_Igc	target_TrqLOA_Per1_MotAgLoaMt	0 0	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_I	· -	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_H		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc	target_TrqLOA_Per1_TrqLOAAvail		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc	target_TrqLOA_Per1_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	0.163787127		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-1.70545602		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	0		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-1053.297		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	366.434143		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	458.857544		
Name	Actual Value	Expected Value	Result
TrqLOA LatAccScaleFactor Uls M f32	0.834748089	0.834748089	<b>✓</b>
TrqLOA_LatAccelSV_g_M_Str.SV_UIs_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	<b>*</b>
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	0.108414486	0.108414471 ± 0.01	
targot_rigeOA_reri_rigeOAOmid_withVill_loz.value	0.100414400	0.100414471 ± 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.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_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	0.383844972		
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	0.48706755 ± 0.01	
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	0.824724376 ± 0.01	•
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	
<pre>&lt;_TrqLOA_FallingRampRate_UlspS_f32</pre>	-601.664307	
<pre>&lt;_TrqLOA_LatAccConversionFactor_Uls_f32</pre>	5.30471039	
<_TrqLOA_LimOutput_MtrNm_f32	1.17788911	
k_TrqLOA_MaxScaleFactor_Uls_f32	1	
C_TrqLOA_MinScaleFactor_Uls_f32	0.787144184	
c_TrqLOA_NomDrvTrq_MtrNm_f32	6.45212317	
C_TrqLOA_RisingRampRate_UlspS_f32	124.468575	
C_TrqLOA_SteerRatio_Uls_f32	67.8080902	
C_TrqLOA_UndersteerGrad_RadpG_f32	0.25	
C_TrqLOA_Wheelbase_M_f32	16.3749599	
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	10158	





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





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_H	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_lgc	target_TrqLOA_Per1_VehicleSpeed	dValid_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpeed	f_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	<b>✓</b>
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	<b>✓</b>
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	<b>✓</b>
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	<b>✓</b>

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	0.10000001	
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0790000036	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	3.91868973	
TrqLOA_Gealcumit riqoma_mitrini_m_io2	6.5	
TrqLOA_TrgBasedScaleFactor Uls M f32	-0.907211721	
<pre>&lt;_TrqLOA_NdsAssistThreshold_MtrNm_f32</pre>	9.06250286	
TrqLOA_AbsVelThreshold_MtrRadpS_f32	156.679932	
TrqLOA_biffScaleRateLimiterFalling UlspS f32	-0.0322552323	
<pre>&lt;_TrqLOA_DiffScaleRateLimiterFailing_UlspS_f32</pre>	29.8183842	
TrqLOA_FallingRampRate_UlspS_f32	-878.769714	
TrqLOA_railingRampRate_UispS_i32 TrqLOA_LatAccConversionFactor_UIs_f32	10	
	8.42664528	
<pre>&lt;_TrqLOA_LimOutput_MtrNm_f32 &lt;_TrqLOA_MaxScaleFactor_Uls_f32</pre>	8.42604528	
	0.929057002	
<pre>&lt;_TrqLOA_MinScaleFactor_Uls_f32</pre> < TrqLOA_NomDrvTrq_MtrNm_f32	1.06529593	
TrqLOA_NonDivTrq_MiNIII_132 TrqLOA_RisingRampRate_UlspS_f32	906.051819	
_ , _ , _ , _	66.7969742	
<_TrqLOA_SteerRatio_Uls_f32 <_TrqLOA_UndersteerCrad_RadaC_f33	0.7909742	
<pre>c_TrqLOA_UndersteerGrad_RadpG_f32</pre>	1.63229978	
	13763	
2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	1 11	
2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	15729	
2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	17039	
2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	19661	
2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	13763	
2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	15729	
2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	17039	
2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	19661	
2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	13763	
2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	15729	
2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	17039	
2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	19661	
2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	13763	
2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	15729	
2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	17039	
2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	19661	
2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	13763	
2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	15729	
2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	17039	
2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	19661	
2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	13763	
2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	15729	
2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	17039	
2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	19661	
2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	13763	

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Name	Input Value		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	15729		
t2_TrqLOA_DiffGainY_UIs_u1p15[6][2]	17039		
t2_TrqLOA_DiffGainY_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_UIs_u1p15[7][3]	19661		
t_TrqLOA_DiffGainX_G_u2p14[0] t TrqLOA DiffGainX G u2p14[1]	15892 16876		
t TrgLOA DiffGainX G u2p14[1]	19169		
t_TrqLOA_DiffGainX_G_u2p14[3]	26214		
t TrqLOA HighSpeedTrqBlend X Kph u10p6[0]	11520		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	11840		
t TrqLOA HighSpeedTrqBlend X Kph u10p6[2]	12160		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	12480		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	12800		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	6554		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	9830		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	13107		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	16384		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	19661		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	4096		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	4915		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	8192		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	9011		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	12288		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5] t TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	13107 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 15808		
t_TrqLOA_X_Kph_u10p6[6] t_TrqLOA_X_Kph_u10p6[7]	15872		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_Handwheel/	Authority I lls 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 LatAccelVal		
target Rte Inst Ap TrqLOA.TrqLOA Per1 MotAgLoaMtgtnEn Cnt Igc	target TrqLOA Per1 MotAgLoaM		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_	· ·	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOAAva	il_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmo	d_MtrNm_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSpec	edValid_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpec	ed_Kph_f32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0.908415675		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	5.94108057		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	0 279 602474		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-378.692474 -589.088501		
target_TrqLOA_Per1_ReinwPos_nwDeg_i3z.value target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	-569.066501		
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_LatAccelSV g M Str.SV UIs f32	0.0436636657	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_lgc.value	0	0	
target_frqLOA_Ferr_frqLOAAvaii_Crit_igc.value	17		



Test Step 2.132 (Repeat Count = 1)	
Name	Input Value
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA
TrqLOA_LatAccScaleFactor_Uls_M_f32	1
TrgLOA LatAccelSV g M Str.SV Uls f32	0.150000006
TrqLOA LatAccelSV g M Str.K Uls f32	0.0794999972
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	3.47269344
TrqLOA_TloaCmd_MtrNm_M_f32	7
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.882734537
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	9.65194321
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	300.425354
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-71.5873337
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	39.3758888
k_TrqLOA_FallingRampRate_UlspS_f32	-364.970367 0.3057895
k_TrqLOA_LatAccConversionFactor_Uls_f32 k_TrqLOA_LimOutput_MtrNm_f32	8.8000019
k_TrqLOA_MaxScaleFactor_Uls_f32	1
k_TrqLOA_MinScaleFactor_Uls_f32	1
k_TrqLOA_NomDrvTrq_MtrNm_f32	7.25052118
k_TrqLOA_RisingRampRate_UlspS_f32	768.279846
k_TrqLOA_SteerRatio_Uls_f32	61.6943359
k_TrqLOA_UndersteerGrad_RadpG_f32	0.25
k_TrqLOA_Wheelbase_M_f32	13.6526098
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	17367
t2_TrqLOA_DiffGainY_UIs_u1p15[0][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	26214
t2_TrqLOA_DiffGainY_UIs_u1p15[1][0]	17367
t2_TrqLOA_DiffGainY_UIs_u1p15[1][1]	19333 21299
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2] t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	19333
t2_TrqLOA_DiffGainY_UIs_u1p15[4][2]	21299 26214
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3] t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	0
t2_TrqLOA_DiffGainY_UIs_u1p15[7][1]	0
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	0
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	0 17695
t_TrqLOA_DiffGainX_G_u2p14[0] t_TrqLOA_DiffGainX_G_u2p14[1]	18678
t TrqLOA DiffGainX G u2p14[2]	21299
t_TrqLOA_DiffGainX_G_u2p14[3]	29491
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	13120
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	13440
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	13760
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	14080
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	14400
t_TrqLOA_HighSpeedTrqBlend_Y_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 19661
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4] t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	20480
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	21299
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	24576
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	25395
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Name	Input Value		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	28672		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	29491	29491	
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	32768		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	33587		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	13926		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	22938		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	24166		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	20890		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	27443		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	29082		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	35226		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	32358		
t_TrqLOA_X_Kph_u10p6[0]	15936		
t_TrqLOA_X_Kph_u10p6[1]	16000		
t_TrqLOA_X_Kph_u10p6[2]	16064		
t_TrqLOA_X_Kph_u10p6[3]	16128		
t_TrqLOA_X_Kph_u10p6[4]	16192		
t_TrqLOA_X_Kph_u10p6[5]	16256		
t_TrqLOA_X_Kph_u10p6[6]	16320		
t_TrqLOA_X_Kph_u10p6[7]	16384		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecSq_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_Igc	target_TrqLOA_Per1_LatAccelValid_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_HwDeg_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc	target_TrqLOA_Per1_VehicleSp	peedValid_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSp	peed_Kph_f32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0.71404624		
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	

Test Step 2.133 (Repeat Count = 1)	
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	0.079999982
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	3.13845325
TrqLOA_TloaCmd_MtrNm_M_f32	7.5
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	2
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	2.2057054
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	420.948761
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-46.0566826
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	64.0082474
k_TrqLOA_FallingRampRate_UlspS_f32	-766.130188
k_TrqLOA_LatAccConversionFactor_Uls_f32	5.03221798
k_TrqLOA_LimOutput_MtrNm_f32	8.80000019
k_TrqLOA_MaxScaleFactor_Uls_f32	1
k_TrqLOA_MinScaleFactor_Uls_f32	0.0404216051
k_TrqLOA_NomDrvTrq_MtrNm_f32	5.75811481
k_TrqLOA_RisingRampRate_UlspS_f32	253.850082
k_TrqLOA_SteerRatio_Uls_f32	70.1602173
k_TrqLOA_UndersteerGrad_RadpG_f32	0.25
k_TrqLOA_Wheelbase_M_f32	16.5584469
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	655





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





Name	Input Value		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF	_MtrRadpS_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos	_HwDeg_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc	target_TrqLOA_Per1_TrqLOAAva	ail_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACm	nd_MtrNm_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_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	0.299962163		
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	<b>✓</b>
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-0.227853045	-0.227853209 ± 0.01	<b>✓</b>
TrqLOA_TloaCmd_MtrNm_M_f32	-0.227853045	-0.227853209 ± 0.01	<b>✓</b>
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.467739582	0.467739671 ± 0.01	<b>✓</b>
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	
FrgLOA LatAccScaleFactor UIs M f32	0.251682043	
FrgLOA LatAccelSV g M Str.SV Uls f32	0.25	
FrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0804999992	
FrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	7.99536085	
TrgLOA_ocalcumu riqoma_marani_m_io2	8	
TrgLOA_Tibacina_MitMin_M_i32	-1.84285891	
<pre>c_TrqLOA_AbsAssistThreshold_MtrNm_f32</pre>	2.39067173	
CTrqLOA AbsVelThreshold MtrRadpS f32	844.036987	
TrqLOA_AbsverTheshold_MitNaupS_132 TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-16.0573845	
<pre>&lt;_TrqLOA_DiffScaleRateLimiterFailing_UlspS_f32</pre>	76.3840561	
	-543.427917	
	-543.42/91/ 10	
<pre>&lt;_TrqLOA_LatAccConversionFactor_Uls_f32</pre>	6.49614382	
C_TrqLOA_LimOutput_MtrNm_f32	1	
<pre>&lt;_TrqLOA_MaxScaleFactor_Uls_f32</pre>	1	
C_TrqLOA_MinScaleFactor_Uls_f32 Table OA_Mass Par Table Mass f00		
C_TrqLOA_NomDrvTrq_MtrNm_f32	7.43302631	
<pre>&lt;_TrqLOA_RisingRampRate_UlspS_f32</pre>	513.813843	
	59.0387001	
C_TrqLOA_UndersteerGrad_RadpG_f32	0.25	
<pre>c_TrqLOA_Wheelbase_M_f32</pre>	2.40938735	
2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	6554	
2_TrqLOA_DiffGainY_UIs_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		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	17039		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	19661		
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]	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]	4915		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	9421		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	15155		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	16384		
	18432		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]			
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		
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 Handwhe	elAuthority Uls f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_M	IpSecSq f32	
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_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	peed_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		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	151.566467		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.299987793	0.299987793	Result
TrqLOA_LatAccelSV_g_M_Str.SV_UIs_f32 TrqLOA_ScaladMtrTrqCmd_Attrblm_NA_f33	0.212130412	0.212130412 ± 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	-0.815231204	-0.815231204 ± 0.01	
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	<b>✓</b>
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0	0 ± 0.01	



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





Name	Input Value		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	12288		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	13107		
t_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_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_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	-4.5761981		
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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TrqLOA\_Per1



Name	Input Value
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	15729
t2_TrqLOA_DiffGainY_UIs_u1p15[0][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	13763
t2_TrqLOA_DiffGainY_UIs_u1p15[1][1]	15729
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	17039
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	19661
t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	13763
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	15729 17039
t2_TrqLOA_DiffGainY_UIs_u1p15[2][2] t2_TrqLOA_DiffGainY_UIs_u1p15[2][3]	19661
t2_TrqLOA_DiriGainY_UIs_u1p15[3][0]	13763
t2 TrqLOA DiffGainY Uls u1p15[3][1]	15729
t2_TrqLOA_DiffGainY_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





Name	Input Value		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCR	F_MtrRadpS_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos	s_HwDeg_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc	target_TrqLOA_Per1_TrqLOAA	/ail_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOAC	md_MtrNm_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSp	eedValid_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSp	eed_Kph_f32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	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	<b>✓</b>
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.33107844	0.33107844 ± 0.01	<b>✓</b>
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	<b>✓</b>
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01	<b>✓</b>
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-0.640723348	-0.640723348 ± 0.01	•
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	•
target TrgLOA Per1 TrgLOACmd MtrNm f32.value	0	0 ± 0.01	<b>✓</b>

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>&lt;</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>&lt;_rrqLOA_RisingRampRate_UlspS_f32</pre>	299.682953	
<pre>&lt;_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_DiffGainY_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_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	
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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Part	Name	Input Value		
2 TroLO, Difficant Us vita (1979)   2214   2 TroLO, Difficant Us vita (1979)   17907		•		
2. Tra(A.D. Diffeany List print(FT)	t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	21299		
Part				
R_TRIAD_PRIOR DECEMBER   REPORT   PRIOR   PR				
Part				
Employ Districts Co. gas   14    6987				
Limp OLD, DiffSank Z, Gup Hel]				
Cirry Cot A, Deficience S, Lugar [47]   10000   101000   10100   10100   101000   101000   101000   101000   101000   101000   10100				
Cirquic A. Jupis (1988)				
Tracio A. HighSeedTriglend X. Xip, u16p01   17200				
CTRACOA HIJSDSeedTrigsBend X Knb, 110pt    18500				
TreLOA HijhSbeedTriBelmar X Knn u10e8[3]   18800	t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	18240		
TrackOA HipSpeedTrighterd X Kini 119610  5654	t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	18560		
Triglo A. HighSpeedTigellent Y. Ulis utp15(1)   9800	t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	18880		
Ling (A.M. Hankbeerf riginer y J. Unit up 192)	t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]			
TrigOAD, HighSpeed Tigolent V_ Us_utp15(2)   19961				
LTRIGOA HardSecont Topland Y JUB ut 1915				
Limplo Call Agendamy - Y Lim un post 19   19861				
Strop				
LTrqLOA_Larkcotan_Y_Minne_uebt2[]  TrqLOA_Larkcotan_Y_Minne_uebt2[]  TrqLOA_Larkcotan_Y_Minne_uebt2[]  TrqLOA_Larkcotan_Y_Minne_uebt2[]  TrqLOA_Larkcotan_Y_Minne_uebt2[]  TrqLOA_Larkcotan_Y_Minne_uebt2[]  TrqLOA_Larkcotan_Y_Minne_uebt2[]  TrqLOA_TempTrqConsstr10_Minne_uebt2[]  TrqLOA_X Ken_uebt2[]  TrqLOA_X Ken_uebt2[]  TrqLOA_X Ken_uebt2[]  TrqLOA_X Ken_uebt2[]  TrqLOA_X Ken_uebt2[]  TrqLOA_TempTrqLOA_TempTrqLOA_PemT_HandwheeAuthority_Uis_122  trqqt_Ris_ini_Ap_TrqLOA_TrqLOA_PemT_Lakccotanion_ini_Cen_uebt2[]  TrqLOA_X Ken_uebt2[]  TrqLOA_TempTrqLOA_PemT_Uebt2[]  TrqLOA_TempTrqLOA_TempTrqLOA_PemT_Lakccotanion_ini_Cen_uebt2[]  TrqLOA_TempTrqLOA_TrqLOA_TrqLOA_PemT_Lakccotanion_ini_Cen_uebt2[]  TrqLOA_TempTrqLOA_TrqLOA_TrqLOA_PemT_Lakccotanion_ini_Cen_uebt2[]  TrqLOA_TrqLOA_TrqLOA_TrqLOA_PemT_Lakccotanion_ini_Cen_uebt2[]  TrqLOA_TrqLOA_TrqLOA_TrqLOA_PemT_TrqLOA_TempT_Minne_ini_Cen_uebt2[]  TrqLOA_TrqLOA_TrqLOA_TrqLOA_TempT_TrqLOA_TempT_Minne_ini_Cen_uebt2[]  TrqLOA_TrqLOA_TrqLOA_TrqLOA_T				
Limple Coll Labercoam Y, Minning C, Jupi 12(3)				
1.Trgi.O.Q. Larkoccan Y. Minhingo Lepi2g  45958				
Trq.OL LatAccosan Y. Minhingo U4p126    45956				
LTRICO, A Lankoccian Y, Mirkming, Upic 12(6)	t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	45056		
TrqLOA_TempTrqCmdSatYTD_Mthm_usp12[0]		45875		
TrqLOA_TempTrqCmdSaYTbL_MtNrm_usp12(1)	t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	49152		
TrqLOA_TempTrqCmdSstYTb_MinNm_uslp12t    TrqLOA_X fch_u10p6tt	t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	49971		
TrqLOA_TempTrqCmdSaNYTb_MkNm_uslp12 3	t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]			
TrqLOA_TempTrqCmdSsYTb  MinNm_ush123    17613   28890				
TrqLOA_TempTrqCmdSaNTD_MthNm_usp12[4]   20990   22528   1				
TrqLOA_TempTrqCmdSaYTb_MtrNm_u4p12[5]   22528   17qLOA_TempTrqCmdSaYTb_MtrNm_u4p12[6]   25935   17qLOA_TempTrqCmdSaYTb_MtrNm_u4p12[7]   25905   18496   17qLOA_TempTrqCmdSaYTb_MtrNm_u4p12[7]   18496   17qLOA_X Kph_u10p6[0]   18500   18600   17qLOA_X Kph_u10p6[2]   18624   17qLOA_X Kph_u10p6[2]   18624   17qLOA_X Kph_u10p6[3]   18688   18624   17qLOA_X Kph_u10p6[6]   18626   18626   17qLOA_X Kph_u10p6[6]   18626   18626   18626   17qLOA_X Kph_u10p6[6]   18626   18626   17qLOA_X Kph_u10p6[6]   18626   17qLOA_X Kph_u10p6[7]   18944   18752   18754   1875				
TrqLOA_TempTrqCmdSatYTb _MtNm_u4p12[6]   25395				
LTrqLOA_TempTrqCmdSatYTb_MrNm_u4p12[7]         25805           LTrqLOA_X_Kph_u10p6[0]         18496           LTrqLOA_X_Kph_u10p6[1]         18620           LTrqLOA_X_Kph_u10p6[2]         18624           LTrqLOA_X_Kph_u10p6[3]         18688           LTrqLOA_X_Kph_u10p6[6]         18752           LTrqLOA_X_Kph_u10p6[6]         18816           LTrqLOA_X_Kph_u10p6[6]         18880           LTrqLOA_X_Kph_u10p6[6]         18840           LTrqLOA_X_Kph_u10p6[7]         19844           target_Rie_Inst_Ap_TrqLOA_TrqLOA_Pert_LatAcc_MpSecSq_122         18724           target_Rie_Inst_Ap_TrqLOA_TrqLOA_Pert_LatAcc_MpSecSq_122         18724           target_Rie_Inst_Ap_TrqLOA_TrqLOA_Pert_MotAgLoaMtginer_Crtl_gc         18724           target_Rie_Inst_Ap_TrqLOA_TrqLOA_Pert_MotAgLoaMtginer_Crtl_gc         18724           target_Rie_Inst_Ap_TrqLOA_TrqLOA_Pert_MotAgLoaMtginer_Crtl_gc         18724           target_Rie_Inst_Ap_TrqLOA_TrqLOA_Pert_MotAgloaMtginer_Crtl_gc         18724           target_Rie_Inst_Ap_TrqLOA_TrqLOA_Pert_MotAgloaMtginer_Crtl_gc         18724           target_Rie_Inst_Ap_TrqLOA_TrqLOA_Pert_VehicleSpeed_Xpc_122         18724           target_Rie_Inst_Ap_TrqLOA_TrqLOA_Pert_VehicleSpeed_Xpc_122         18724           target_Rie_Inst_Ap_TrqLOA_TrqLOA_Pert_VehicleSpeed_Xpc_122         18724				
TrqLOA X Kph_u10p6[0]				
TrqLOA_X_Kph_u10p6[1]				
TrqLOA_X_kph_u10p6[2]				
18752   1886				
TirqLOA_X_Kph_u10p6[6]   18880	t_TrqLOA_X_Kph_u10p6[3]	18688		
18880   18880   18944   1894	t_TrqLOA_X_Kph_u10p6[4]	18752		
18944	t_TrqLOA_X_Kph_u10p6[5]	18816		
target_Rte_Inst_Ap_TrqLOA_Pert_LatAcc_MpSecSq_f32         target_TrqLOA_Pert_LatAcc_MpSecSq_f32         target_TrqLOA_Pert_LatAcc_MpSecSq_f32           target_Rte_Inst_Ap_TrqLOA.TrqLOA_Pert_LatAcc_WpSecSq_f32         target_TrqLOA_Pert_LatAcc_WpSecSq_f32         target_TrqLOA_Pert_LatAcc_WpSecSq_f32           target_Rte_Inst_Ap_TrqLOA.TrqLOA_Pert_MotAgLoaMtghtEn_Cnt_igc         target_TrqLOA_Pert_MotAgLoaMtghtEn_Cnt_igc         target_TrqLOA_Pert_MotAgLoaMtghtEn_Cnt_igc           target_Rte_Inst_Ap_TrqLOA.TrqLOA_Pert_MelPwFos_HwDeg_f32         target_TrqLOA_Pert_MirvelCRF_MtrRadpS_f32         target_TrqLOA_Pert_MotAgLoaMtghtEn_Cnt_igc           target_Rte_Inst_Ap_TrqLOA.TrqLOA_Pert_TrqLOACmd_MtrNm_f32         target_TrqLOA_Pert_TrqLOACmd_MtrNm_f32         target_TrqLOA_Pert_TrqLOACmd_MtrNm_f32           target_Rte_Inst_Ap_TrqLOA.TrqLOA_Pert_VehicleSpeedValid_Cnt_igc         target_TrqLOA_Pert_IrqLOACMd_MtrNm_f32         target_TrqLOA_Pert_VehicleSpeedValid_Cnt_igc           target_TrqLOA_Pert_HandwheelAuthority_Uis_f32.value         0.179282784         target_TrqLOA_Pert_HandwheelAuthority_Uis_f32.value         0.179282784           target_TrqLOA_Pert_MotAgLoaMtghtEn_Cnt_igc_value         0         0         0         0           target_TrqLOA_Pert_MotAgLoaMtghtEn_Cnt_igc_value         0         0         0         0           target_TrqLOA_Pert_MotAgLoaMtghtEn_Cnt_igc_value         1672.7135         0         0         0         0         0         0         0         0	t_TrqLOA_X_Kph_u10p6[6]	18880		
target_Rte_Inst_Ap_TrqLOA_Pert_LatAcc_MpSecSq_f32 target_Rte_Inst_Ap_TrqLOA_TrqLOA_Pert_LatAcceValid_Cnt_Igc target_Rte_Inst_Ap_TrqLOA_TrqLOA_Pert_LatAcceValid_Cnt_Igc target_Rte_Inst_Ap_TrqLOA_TrqLOA_Pert_MotAgLoaMtgtnEn_Cnt_Igc target_Rte_Inst_Ap_TrqLOA_TrqLOA_Pert_MrVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_TrqLOA_TrqLOA_Pert_MtrVelCRF_MtrRadpS_f32 target_Rte_Inst_Ap_TrqLOA_TrqLOA_Pert_RelHwPos_HwDeg_f32 target_Rte_Inst_Ap_TrqLOA_TrqLOA_Pert_TrqLOAAvail_Cnt_Igc target_Rte_Inst_Ap_TrqLOA_TrqLOA_Pert_TrqLOAAvail_Cnt_Igc target_Rte_Inst_Ap_TrqLOA_TrqLOA_Pert_TrqLOACmd_MtrNm_f32 target_Rte_Inst_Ap_TrqLOA_TrqLOA_Pert_VerbicleSpeed_Valid_Cnt_Igc target_Rte_Inst_Ap_TrqLOA_TrqLOA_Pert_VerbicleSpeed_If_f32 target_TrqLOA_Pert_VerbicleSpeed_If_f32 target_TrqLOA_Pert_VerbicleSpeed_If_f32 target_TrqLOA_Pert_LatAcceValid_Cnt_Igc.value target_TrqLOA_Pert_LatAcceValid_Cnt_Igc.value target_TrqLOA_Pert_MtrVelCRF_MtrRadpS_f32.value target_TrqLOA_Pert_MtrVelCRF_MtrRadpS_f32.value target_TrqLOA_Pert_MtrVelCRF_MtrRadpS_f32.value target_TrqLOA_Pert_MtrVelCRF_MtrRadpS_f32.value target_TrqLOA_Pert_VerbicleSpeed_If_f32.value target_TrqLOA_Pert_VerbicleSpeed_If_f32.value target_TrqLOA_Pert_VerbicleSpeed_If_f32.value target_TrqLOA_Pert_VerbicleSpeed_If_f32.value target_TrqLOA_Pert_VerbicleSpeed_If_f32.value target_TrqLOA_Pert_VerbicleSpeed_If_f32.value target_TrqLOA_Pert_VerbicleSpeed_If_f32.value target_TrqLOA_Pert_VerbicleSpeed_If_f32.value target_TrqLOA_Pert_VerbicleSpeed_If_f32.value  459.640747 target_TrqLOA_Pert_VerbicleSpeed_If_f132.value target_TrqLOA_Pert_VerbicleSpeed_If_f132.value  47.106415  Name  Actual Value Expected Value PrqLOA_TrqLOA_F04  TrqLOA_TrqLOA_MtrNm_M_f32  0.991125649  0.9931275189 ± 0.01  ✓ TrqLOA_TrqBasedScaleFactor_Uls_MtrNm_M_f32  0.9931275249  0.9931275189 ± 0.01  ✓ targLOA_TrqBasedScaleFactor_Uls_MtrNm_M120  0.9931275189 ± 0.01  ✓ targLOA_PrqBasedScaleFactor_Uls_MtrNm_M120  0.9931275189 ± 0.01  ✓ targLOA_PrqTqCAATrqDAAvail_Cnt_Igc.value				
target_Rte_Inst_Ap_TrqLOA_Perl_MotA_LoaMtghEn_Cnt_Igc target_Rte_Inst_Ap_TrqLOA_Perl_MotA_LoaMtghEn_Cnt_Igc target_Rte_Inst_Ap_TrqLOA_TrqLOA_Perl_MotA_LoaMtghEn_Cnt_Igc target_Rte_Inst_Ap_TrqLOA_TrqLOA_Perl_MotA_LoaMtghEn_Cnt_Igc target_Rte_Inst_Ap_TrqLOA_TrqLOA_Perl_MotPot_Ros_HwRadps_[32] target_Rte_Inst_Ap_TrqLOA_TrqLOA_Perl_RelHwPos_HwDeg_[32] target_Rte_Inst_Ap_TrqLOA_TrqLOA_Perl_RelHwPos_HwDeg_[32] target_Rte_Inst_Ap_TrqLOA_TrqLOA_Perl_TrqLOACmd_MtrNm_[32] target_Rte_Inst_Ap_TrqLOA_TrqLOA_Perl_TrqLOACmd_MtrNm_[32] target_Rte_Inst_Ap_TrqLOA_TrqLOA_Perl_TrqLOACmd_MtrNm_[32] target_Rte_Inst_Ap_TrqLOA_TrqLOA_Perl_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_TrqLOA_TrqLOA_Perl_VehicleSpeedValid_Cnt_Igc target_Rte_Inst_Ap_TrqLOA_TrqLOA_Perl_VehicleSpeedValid_Cnt_Igc target_TrqLOA_Perl_VehicleSpeed_Kph_[32] target_TrqLOA_Perl_HandwheelAuthority_Uis_f32_value target_TrqLOA_Perl_LatAcc_MpSecSq_f32_value target_TrqLOA_Perl_LatAcceWalid_Cnt_Igc_value target_TrqLOA_Perl_MotAqLoaMtghEn_Cnt_Igc_value target_TrqLOA_Perl_MotAqLoaMtghEn_Cnt_Igc_value target_TrqLOA_Perl_MotAqLoaMtghEn_Cnt_Igc_value target_TrqLOA_Perl_MehicleSpeedValid_Cnt_Igc_value target_TrqLOA_Perl_VehicleSpeedValid_Cnt_Igc_value target_TrqLOA_Perl_VehicleSpeedValid_Cnt_Igc_value target_TrqLOA_Perl_VehicleSpeedValid_Cnt_Igc_value target_TrqLOA_Perl_VehicleSpeedValid_Cnt_Igc_value target_TrqLOA_Perl_VehicleSpeedValid_Cnt_Igc_value target_TrqLOA_Perl_VehicleSpeedValid_Cnt_Igc_value  target_TrqLOA_Perl_VehicleSpeedValid_Cnt_Igc_value  target_TrqLOA_Perl_VehicleSpeedValid_Cnt_Igc_value  target_TrqLOA_Perl_VehicleSpeedValid_Cnt_Igc_value  target_TrqLOA_Perl_VehicleSpeedValid_Cnt_Igc_value  target_TrqLOA_Perl_VehicleSpeedValid_Cnt_Igc_value  target_TrqLOA_Perl_VehicleSpeedValid_Cnt_Igc_value  target_TrqLOA_Perl_VehicleSpeedValid_Cnt_Igc_value  target_TrqLOA_Perl_VehicleSpeedValid_Cnt_Igc_value  target_TrqLOA_Perl_VehicleSpeedValid_Cnt_Igc_value  target_TrqLOA_Perl_VehicleSpeedValid_Cnt_Igc_value  target_TrqLOA_Perl_VehicleSpeedValid_Cnt_Igc_value  target_TrqLO				
target_Rte_Inst_Ap_TrqLOA_Per1_MotAgLoaMtgnEn_Cnt_lgc         target_TrqLOA_Per1_MotAgLoaMtgnEn_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_MtrVelCRF_MtrRadpS_f32           target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvaii_Cnt_lgc         target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32           target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc         target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc           target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value         0.179282784           target_TrqLOA_Per1_LatAcc_MpSecSq_f32_value         3.75306058           target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32_value         0           target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32_value         1672.7135           target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32_value         459.640747           target_TrqLOA_Per1_VehicleSpeed_Kph_f32_value         172.7135           target_TrqLOA_Per1_VehicleSpeed_Kph_f32_value         447.106415           Name         Actual Value         Expected Value         Result           TrqLOA_LatAccScaleFactor_Uls_M_f32         0.564272463         0.564272463 ± 0.01         ✓           TrqLOA_CacledMtrTrqCmd_MtrNm_M_f32         0         0         0 ± 0.01         ✓           TrqLOA_TloaCmd_MtrNm_M_f32         0.993				
target_Rte_Inst_Ap_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_VehicleSpeedValid_Cnt_lgc           target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc         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_MtrVelCRF_MtrRadpS_f32_value         0           target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32_value         0           target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32_value         459.640747           target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc_value         1           target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc_value         447.106415           Name         Actual Value         Expected Value         Result           TrqLOA_LatAccelSV_g_M_Str.Sv_Uls_f32         0.564272463         0.564272463 ± 0.01         ✓           TrqLOA_CacledMtrTrqCmd_MtrNm_M_f32         0         0 ± 0.01         ✓           TrqLOA_TloaCmd_MtrNm_M_f32         0.9931275249         0.9931			•	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Pert_RelHwPos_HwDeg_f32         target_TrqLOA_Pert_RelHwPos_HwDeg_f32           target_Rte_Inst_Ap_TrqLOA.TrqLOA_Pert_TrqLOAAvail_Cnt_lgc         target_TrqLOA_Pert_TrqLOA_Pert_TrqLOACmd_MtrNm_f32           target_Rte_Inst_Ap_TrqLOA.TrqLOA_Pert_VehicleSpeedValid_Cnt_lgc         target_TrqLOA_Pert_TrqLOA_Pert_VehicleSpeedValid_Cnt_lgc           target_Rte_Inst_Ap_TrqLOA_TrqLOA_Pert_VehicleSpeed_Kph_f32         target_TrqLOA_Pert_VehicleSpeedValid_Cnt_lgc           target_TrqLOA_Pert_HandwheelAuthority_Uls_f32.value         0.179282784           target_TrqLOA_Pert_LatAcc_MpSecSq_f32_value         3.75306058           target_TrqLOA_Pert_MotAgLoaMtgntEn_Cnt_lgc.value         0           target_TrqLOA_Pert_MtrValcQRF_MtrRadpS_f32_value         1672.7135           target_TrqLOA_Pert_NelHwPos_HwDeg_f32_value         1672.7135           target_TrqLOA_Pert_VehicleSpeedValid_Cnt_lgc.value         1           target_TrqLOA_Pert_VehicleSpeed_Kph_f32_value         1           target_TrqLOA_Pert_VehicleSpeed_Kph_f32_value         1           target_TrqLOA_Pert_VehicleSpeed_Kph_f32_value         1           target_TrqLOA_Pert_VehicleSpeed_Kph_f32_value         1           target_TrqLOA_Pert_VehicleSpeed_Kph_f32_value         1           target_TrqLOA_LatAccesSv_g_M_Sr,Sv_Uls_f32         0.914120018         0.914120018           V         0         0 ± 0.01         V      <				
target_Rte_Inst_Ap_TrqLOA_TrqLOA_Perf_TrqLOAAvail_Cnt_Igc         target_TrqLOA_Perf_TrqLOA_Perf_TrqLOACmd_MtrNm_f32           target_Rte_Inst_Ap_TrqLOA_TrqLOA_Perf_TrqLOACmd_MtrNm_f32         target_TrqLOA_Perf_VehicleSpeedValid_Cnt_Igc           target_Rte_Inst_Ap_TrqLOA_TrqLOA_Perf_VehicleSpeeddValid_Cnt_Igc         target_TrqLOA_Perf_VehicleSpeedValid_Cnt_Igc           target_TrqLOA_Perf_VehicleSpeed_Kph_f32         target_TrqLOA_Perf_VehicleSpeed_Kph_f32           target_TrqLOA_Perf_HandwheelAuthority_Uls_f32.value         0.179282784           target_TrqLOA_Perf_LatAcceValid_Cnt_Igc.value         3.75306058           target_TrqLOA_Perf_MotAgLoaMtghtEn_Cnt_Igc.value         0           target_TrqLOA_Perf_MotAgLoaMtghtEn_Cnt_Igc.value         0           target_TrqLOA_Perf_NelHwPos_HwDeg_f32.value         459.640747           target_TrqLOA_Perf_VehicleSpeedValid_Cnt_Igc.value         1           target_TrqLOA_Perf_VehicleSpeed_Kph_f32.value         447.106415           Name         Actual Value         Expected Value         Result           TrqLOA_LatAccesleFactor_Uls_M_f32         0.914120018         0.914120018         ✓           TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32         0         0.964272463         0.564272463 ±0.01         ✓           TrqLOA_TipaacMdftrTrqCmd_MtrNm_M_f32         0         0         0.901275189 ±0.01         ✓           TrqLOA_TrqBasedScaleFactor_Uls_M_f32 </td <td></td> <td></td> <td>-</td> <td></td>			-	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_ri32				
target_Rte_Inst_Ap_TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc         target_TrqLOA_Per1_VehicleSpeed_Kph_f32           target_Rte_Inst_Ap_TrqLOA_Per1_VehicleSpeed_Kph_f32         target_TrqLOA_Per1_VehicleSpeed_Kph_f32           target_TrqLOA_Per1_HandwheelAuthority_UIs_f32.value         0.179282784           target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value         3.75306058           target_TrqLOA_Per1_MotAgLoaMtgntEn_Cnt_Igc.value         0           target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value         1672.7135           target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value         459.640747           target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value         1           target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value         447.106415           Name         Actual Value         Expected Value         Result           TrqLOA_LatAccScaleFactor_UIs_M_f32         0.914120018         0.914120018         ✓           TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32         0.564272463         0.564272463 ± 0.01         ✓           TrqLOA_TloaCmd_MtrNm_M_f32         0         0 ± 0.01         ✓           TrqLOA_TrqBasedScaleFactor_UIs_M_f32         0         0 ± 0.01         ✓           target_TrqLOA_Per1_TrqLOA_Per1_TrqLOAAvail_Cnt_Igc.value         0         0         0.931275189 ± 0.01         ✓			•	
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       ✓         TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32       0       0.564272463 ± 0.01       ✓         TrqLOA_TloaCmd_MtrNm_M_f32       0       0 ± 0.01       ✓         TrqLOA_TrqBasedScaleFactor_Uls_M_f32       0.931275249       -0.931275189 ± 0.01       ✓         target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value       0       0       ✓			_	
target_TrqLOA_Per1_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       ✓         TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32       0.564272463       0.564272463 ± 0.01       ✓         TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32       0       0 ± 0.01       ✓         TrqLOA_TloaCmd_MtrNm_M_f32       0       0 ± 0.01       ✓         TrqLOA_TrqBasedScaleFactor_Uls_M_f32       -0.931275249       -0.931275189 ± 0.01       ✓         target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value       0       0       ✓				
target_TrqLOA_Per1_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       ✓         TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32       0.564272463       0.564272463 ± 0.01       ✓         TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32       0       0 ± 0.01       ✓         TrqLOA_TloaCmd_MtrNm_M_f32       0       0 ± 0.01       ✓         TrqLOA_TrqBasedScaleFactor_Uls_M_f32       -0.931275249       -0.931275189 ± 0.01       ✓         target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value       0       0       ✓	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0.179282784		
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       ✓         TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32       0.564272463       0.564272463 ± 0.01       ✓         TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32       0       0 ± 0.01       ✓         TrqLOA_TloaCmd_MtrNm_M_f32       0       0 ± 0.01       ✓         TrqLOA_TrqBasedScaleFactor_Uls_M_f32       -0.931275249       -0.931275189 ± 0.01       ✓         target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value       0       0       ✓	target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	3.75306058		
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       ✓         TrqLOA_scaledMtrTrqCmd_MtrNm_M_f32       0.564272463       0.564272463 ± 0.01       ✓         TrqLOA_TloaCmd_MtrNm_M_f32       0       0 ± 0.01       ✓         TrqLOA_TrqBasedScaleFactor_Uls_M_f32       0       0 ± 0.01       ✓         TrqLOA_TrqBasedScaleFactor_Uls_M_f32       -0.931275249       -0.931275189 ± 0.01       ✓         target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value       0       0       ✓				
target_TrqLOA_Per1_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       •         TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32       0.564272463       0.564272463 ± 0.01       •         TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32       0       0 ± 0.01       •         TrqLOA_TloaCmd_MtrNm_M_f32       0       0 ± 0.01       •         TrqLOA_TrqBasedScaleFactor_Uls_M_f32       -0.931275249       -0.931275189 ± 0.01       •         target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value       0       0       •				
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value       1         target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value       447.106415         Name       Actual Value       Expected Value       Result         TrqLOA_LatAccsCaleFactor_Uls_M_f32       0.914120018       0.914120018       ✓         TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32       0.564272463       0.564272463 ± 0.01       ✓         TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32       0       0 ± 0.01       ✓         TrqLOA_TloaCmd_MtrNm_M_f32       0       0 ± 0.01       ✓         TrqLOA_TrqBasedScaleFactor_Uls_M_f32       -0.931275249       -0.931275189 ± 0.01       ✓         target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value       0       0       ✓				
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value         447.106415           Name         Actual Value         Expected Value         Result           TrqLOA_LatAccsCaleFactor_Uls_M_f32         0.914120018         0.914120018         ✓           TrqLOA_LatAcceISV_g_M_Str.SV_Uls_f32         0.564272463         0.564272463 ± 0.01         ✓           TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32         0         0 ± 0.01         ✓           TrqLOA_TloaCmd_MtrNm_M_f32         0         0 ± 0.01         ✓           TrqLOA_TrqBasedScaleFactor_Uls_M_f32         -0.931275249         -0.931275189 ± 0.01         ✓           target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value         0         0         ✓				
Name         Actual Value         Expected Value         Result           TrqLOA_LatAccScaleFactor_UIs_M_f32         0.914120018         0.914120018         ✓           TrqLOA_LatAcceISV_g_M_Str.SV_UIs_f32         0.564272463         0.564272463 ± 0.01         ✓           TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32         0         0 ± 0.01         ✓           TrqLOA_TloaCmd_MtrNm_M_f32         0         0 ± 0.01         ✓           TrqLOA_TrqBasedScaleFactor_UIs_M_f32         -0.931275249         -0.931275189 ± 0.01         ✓           target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value         0         0         ✓				
TrqLOA_LatAccScaleFactor_UIs_M_f32       0.914120018       0.914120018         TrqLOA_LatAccelSV_g_M_Str.SV_UIs_f32       0.564272463       0.564272463 ± 0.01         TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32       0       0 ± 0.01         TrqLOA_TloaCmd_MtrNm_M_f32       0       0 ± 0.01         TrqLOA_TrqBasedScaleFactor_UIs_M_f32       -0.931275249       -0.931275189 ± 0.01         target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value       0       0			Even act and Malicia	Decul
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32       0.564272463       0.564272463 ± 0.01         TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32       0       0 ± 0.01         TrqLOA_TloaCmd_MtrNm_M_f32       0       0 ± 0.01         TrqLOA_TrqBasedScaleFactor_Uls_M_f32       -0.931275249       -0.931275189 ± 0.01         target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value       0       0			-	Result
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32       0       0 ± 0.01       ✓         TrqLOA_TloaCmd_MtrNm_M_f32       0       0 ± 0.01       ✓         TrqLOA_TrqBasedScaleFactor_Uls_M_f32       -0.931275249       -0.931275189 ± 0.01       ✓         target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value       0       0       ✓				<b>V</b>
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         ✓				
TrqLOA_TrqBasedScaleFactor_Uls_M_f32         -0.931275249         -0.931275189 ± 0.01         ✓           target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value         0         0         ✓				<u> </u>
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value 0 0				_
				<b>~</b>
			0 ± 0.01	~



Test Step 2.138 (Repeat Count = 1)	
Name	Input Value
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA
TrqLOA_LatAccScaleFactor_Uls_M_f32	1
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.449999988
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0125000002
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-8.20992279
TrqLOA_TloaCmd_MtrNm_M_f32	1.5
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	1.30465853
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	6.82178497
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	443.192719 -5.55758905
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32 k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	49.3378868
k_TrqLOA_FallingRampRate_UlspS_f32	-982.800964
k_TrqLOA_LatAccConversionFactor_Uls_f32	2.51905036
k_TrqLOA_LimOutput_MtrNm_f32	7.80701733
k_TrqLOA_MaxScaleFactor_Uls_f32	0.465555906
k_TrqLOA_MinScaleFactor_Uls_f32	0.111157894
k_TrqLOA_NomDrvTrq_MtrNm_f32	2.3324821
k_TrqLOA_RisingRampRate_UlspS_f32	328.660156
k_TrqLOA_SteerRatio_UIs_f32	74.9874039
k_TrqLOA_UndersteerGrad_RadpG_f32	0.25
k_TrqLOA_Wheelbase_M_f32 t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	7.12618113 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 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 TrgLOA DiffGainY Uls u1p15[6][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	2458
t2_TrqLOA_DiffGainY_UIs_u1p15[6][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	6226
t_TrqLOA_DiffGainX_G_u2p14[0]	10486
t_TrqLOA_DiffGainX_G_u2p14[1] t_TrqLOA_DiffGainX_G_u2p14[2]	11469 12780
t_TrqLOA_DiffGainX_G_u2p14[2] 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 53248
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0] t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	53248
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_HandwheelAutho		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecS		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc		target_TrqLOA_Per1_LatAccelValid_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMtgtnl		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrF		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_HwD	<del></del>	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc	target_TrqLOA_Per1_TrqLOAAvail_Cr		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_Mt		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSpeedVa		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpeed_K	(ph_f32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	1		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-2.65734434		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	269.040253		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-753.235291		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	460.389832	I=	1
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.98884807	0.988884807	•
TrqLOA_LatAccelSV_g_M_Str.SV_UIs_f32	0.435756564	0.435756564 ± 0.01	•
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-0.42870152	-0.42870155 ± 0.01	•
TrqLOA_TloaCmd_MtrNm_M_f32	-0.42870152	-0.42870155 ± 0.01	•
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.111157894	0.111157894 ± 0.01	•
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	•
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	-0.42870152	-0.42870155 ± 0.01	•

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





Name	Input Value
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	8192
t2 TrqLOA DiffGainY Uls u1p15[0][2]	9503
t2_TrqLOA_DiffGainY_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



TrqLOA\_Per1

Name	Input Value		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF	_MtrRadpS_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_	_HwDeg_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_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	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	<b>✓</b>
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 UIs M f32	0.248834133	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.550000012	
FrgLOA LatAccelSV g M Str.K Uls f32	0.5	
FrgLOA ScaledMtrTrqCmd MtrNm M f32	1.02403057	
TrqLOA_TloaCmd_MtrNm_M_f32	1	
FrqLOA_TrqBasedScaleFactor_Uls_M_f32	-0.991099596	
<pre>c_TrqLOA_AbsAssistThreshold_MtrNm_f32</pre>	7.02691031	
C_TrqLOA_AbsVelThreshold_MtrRadpS_f32	117.90097	
<pre>c</pre>	-83.1473618	
TrgLOA DiffScaleRateLimiterRising UlspS f32	42.0359383	
TrqLOA FallingRampRate UlspS f32	-36.5625839	
TrqLOA LatAccConversionFactor Uls f32	6.11463165	
:_TrqLOA_LimOutput_MtrNm_f32	6.10116196	
C_TrqLOA_Limoutput_iviinviii_i32	1	
:_TrqLOA_MinScaleFactor_UIs_f32	0.183480024	
C_TrqLOA_NomDrvTrq_MtrNm_f32	8.8000019	
rrqLOA_RisingRampRate_UlspS_f32	569.790222	
:_TrqLOA_SteerRatio_Uls_f32	68.2026367	
TrqLOA_SteerNatio_bis_is2	0.0847294927	
TrqLOA Wheelbase M f32	18.9199467	
2 TrqLOA_viriceibase_ivi_i32 2 TrqLOA DiffGainY Uls u1p15[0][0]	10.5193407	
_ , ,	12124	
2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	12780	
2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	13107	
2_TrqLOA_DiffGainY_Uls_u1p15[0][3]		
2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	10158	
2_TrqLOA_DiffGainY_UIs_u1p15[1][1]	12124	
2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	12780	
2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	13107	
2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	10158	
2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	12124	
2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	12780	
2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	13107	
2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	10158	
2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	12124	
2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	12780	
2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	13107	
2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	10158	
2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	12124	
2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	12780	
2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	13107	
2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	10158	
2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	12124	
2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	12780	
2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	13107	
2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	10158	

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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 12780		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	13107		
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3] 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]	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 20480		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0] t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	21299		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	24576		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	25395		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[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 28262		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7] t_TrqLOA_X_Kph_u10p6[0]	20032		
t_TrqLOA_X_Kph_u10p6[1]	20096		
t_TrqLOA_X_Kph_u10p6[2]	20160		
t_TrqLOA_X_Kph_u10p6[3]	20224		
t_TrqLOA_X_Kph_u10p6[4]	20288		
t_TrqLOA_X_Kph_u10p6[5]	20352		
t_TrqLOA_X_Kph_u10p6[6]	20416		
t_TrqLOA_X_Kph_u10p6[7]	20480		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelA	,	
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	,	
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_lgc	target_TrqLOA_Per1_RelHwPos_ 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		
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0.923748732		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-2.79451799		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	0		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	676.599976		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	-984.367676		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	241.496582		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_UIs_M_f32	0.332906008	0.332906008	•
TrqLOA_LatAccelSV_g_M_Str.SV_UIs_f32 TrqLOA_Secled https://doi.org/10.1001/10.	-0.724869788	-0.724869788 ± 0.01	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32 TrqLOA_TloaCmd_MtrNm_M_f32	-0.0118510947 -0.0118510947	-0.0118510956 ± 0.01 -0.0118510956 ± 0.01	
THE VALUE OF THE PROPERTY OF T	-0.0110310947	10.0 ± 00001001	
	0.148480892	0.148480802 ± 0.01	_
TrqLOA_TrqBasedScaleFactor_Uls_M_f32 target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0.148480892	0.148480892 ± 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
TS3.4"(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
TS3.5"(NomDrvTrq\_MtrNm\_T\_f32 > k\_TrqLOA\_NomDrvTrq\_MtrNm\_f32)=FALSE
(NomDrvTrq\_MtrNm\_T\_f32 < (-k\_TrqLOA\_NomDrvTrq\_MtrNm\_f32)=FALSE
(NomDrvTrq\_MtrNm\_T\_f32 > k\_TrqLOA\_NomDrvTrq\_MtrNm\_f32)=FALSE
(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	0.10000001
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_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





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		
2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	655		
2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	2458		
2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	4915		
12_TrqLOA_DiffGainY_Uls_u1p15[5][3]	6226		
2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	655		
2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	2458		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	4915		
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	6226		
l2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	655		
l2_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		
	17203		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	4096		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	8192		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	14336		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	15974		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	17613		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	19251		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	20480		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	22528		
t_TrqLOA_X_Kph_u10p6[0]	64		
t_TrqLOA_X_Kph_u10p6[1]	128		
t_TrqLOA_X_Kph_u10p6[2]	192		
t_TrqLOA_X_Kph_u10p6[3]	256		
t_TrqLOA_X_Kph_u10p6[4]	320		
t_TrqLOA_X_Kph_u10p6[5]	384		
t_TrqLOA_X_Kph_u10p6[6]	448		
t_TrqLOA_X_Kph_u10p6[7]	512		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_Handwh	eelAuthority_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_LatAcce		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgL		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelC		
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		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOA		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_Vehicles		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_Vehicles		
target TrqLOA Per1 HandwheelAuthority Uls f32.value	0		
target_TrqLOA_Per1_HaridwheeiAditionty_ois_132.value target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-0.205600679		
	-0.205000679		
target_TrqLOA_Per1_LatAccelValid_Cnt_Igc.value			
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1006 76200		
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	<u> </u>	
Name	Actual Value	Expected Value	Resu
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.787930906	0.787930906	

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TrqLOA\_Per1



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

Test Step 3.2 (Repeat Count = 1)		
Name	Input Value	
Rte_Inst_Ap_TrqLOA	target_Rte_Inst_Ap_TrqLOA	
TrqLOA_LatAccScaleFactor_Uls_M_f32	1	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.150000006	
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0135000004	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	8.80000019	
TrqLOA_TloaCmd_MtrNm_M_f32	-7.5	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-0.399481773	
k_TrqLOA_AbsAssistThreshold_MtrNm_f32	9.01481533	
k_TrqLOA_AbsVelThreshold_MtrRadpS_f32	479.457977	
k_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-27.0471287	
k_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	59.5514755	
k_TrqLOA_FallingRampRate_UlspS_f32	-645.648438	
k_TrqLOA_LatAccConversionFactor_Uls_f32	8.51897812	
k_TrqLOA_LimOutput_MtrNm_f32	1.56783617	
k_TrqLOA_MaxScaleFactor_Uls_f32	1	
k_TrqLOA_MinScaleFactor_Uls_f32	0.791850328	
k_TrqLOA_NomDrvTrq_MtrNm_f32	8.80000019	
k_TrqLOA_RisingRampRate_UlspS_f32	618.79248	
k_TrqLOA_SteerRatio_Uls_f32	37.3851547	
k_TrqLOA_UndersteerGrad_RadpG_f32	0.0208133459	
k_TrqLOA_Wheelbase_M_f32	7.83032274	
t2_TrqLOA_DiffGainY_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	
t2_TrqLOA_DiffGainY_UIs_u1p15[4][0]	6554	
t2 TrqLOA DiffGainY Uls u1p15[4][1]	8192	
t2_TrqLOA_DiffGainY_UIs_u1p15[4][2]	9503	
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	9830	
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	6554	
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	8192	
t2_TrqLOA_DillGainY_Dis_u1p15[5][1] t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	9503	
	9830	
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]		
t2_TrqLOA_DiffGainY_UIs_u1p15[6][0]	6554	
t2_TrqLOA_DiffGainY_Uls_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]	1920	
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	2240	
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	2560	
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	2880	
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	3200	

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Name	Input Value	Input Value		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	3277			
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	6554			
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	9830			
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	13107			
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	16384			
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	20480			
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	21299			
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	24576			
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	25395			
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	28672			
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	29491			
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	32768			
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	33587			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	4915			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	9421			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	15155			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	16384			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	18432			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	20070			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	21709			
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	23347			
t_TrqLOA_X_Kph_u10p6[0]	576			
t_TrqLOA_X_Kph_u10p6[1]	640			
t_TrqLOA_X_Kph_u10p6[2]	704			
t_TrqLOA_X_Kph_u10p6[3]	768			
t_TrqLOA_X_Kph_u10p6[4]	832			
t_TrqLOA_X_Kph_u10p6[5]	896			
t_TrqLOA_X_Kph_u10p6[6]	960			
t_TrqLOA_X_Kph_u10p6[7]	1024			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthority_Uls_f32			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecSq_f32			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelValid_Cnt_lgc			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_Igc	target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_HwDeg_f32			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_lgc	target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32			
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc	target_TrqLOA_Per1_VehicleSpeedValid_Cnt_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	0.305431128			
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 q M Str.SV Uls f32	0.148525566	0.148525566 ± 0.01		
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01		
TrqLOA_TloaCmd_MtrNm_M_f32	0	0 ± 0.01		
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.791850328	0.791850328 ± 0.01		
target TrqLOA Per1 TrqLOAAvail Cnt Igc.value	0	0		
target_Tral_OA_Per1_Tral_OACmd_Mtrblm_f22.value	i.	0+0.01		

Test Step 3.3 (Repeat Count = 1)		<b>✓</b>
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		
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_HandwheelAuthorit	y_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_	<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	lpS_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_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	0.0280352831		
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	-

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	0.44999988	
FrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0164999999	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	8.80000019	
FrqLOA_TloaCmd_MtrNm_M_f32	-4.5	
rqLOA_TrqBasedScaleFactor_Uls_M_f32	1.39562833	
C_TrqLOA_AbsAssistThreshold_MtrNm_f32	3.50173283	
c_TrqLOA_AbsVelThreshold_MtrRadpS_f32	273.207611	
_TrqLOA_DiffScaleRateLimiterFalling_UlspS_f32	-36.3950081	
c_TrqLOA_DiffScaleRateLimiterRising_UlspS_f32	24.804491	
c_TrqLOA_FallingRampRate_UlspS_f32	-524.556824	
<pre>c_TrqLOA_LatAccConversionFactor_Uls_f32</pre>	8.5640192	
C_TrqLOA_LimOutput_MtrNm_f32	3.37794185	
c_TrqLOA_MaxScaleFactor_Uls_f32	0.959547281	
c_TrqLOA_MinScaleFactor_Uls_f32	1	
c_TrqLOA_NomDrvTrq_MtrNm_f32	3.03419685	
_TrqLOA_RisingRampRate_UlspS_f32	12.2064705	
_TrqLOA_SteerRatio_Uls_f32	40.7518044	
c_TrqLOA_UndersteerGrad_RadpG_f32	0.25	
c_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	
2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	13107	

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Name	Input Value
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	12124
t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	12780
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	13107
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	10158
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	12124
t2_TrqLOA_DiffGainY_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





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	<b>✓</b>
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	1	1 ± 0.01	<b>✓</b>
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 7.44272904
k_TrqLOA_LatAccConversionFactor_Uls_f32	7.44272804 1.15138853
k_TrqLOA_LimOutput_MtrNm_f32	0.901087523
k_TrqLOA_MaxScaleFactor_Uls_f32	1
k_TrqLOA_MinScaleFactor_Uls_f32	7.09603024
k_TrqLOA_NomDrvTrq_MtrNm_f32 k_TrqLOA_RisingRampRate_UlspS_f32	583.057068
k_TrqLOA_SteerRatio_Uls_f32	28.1238441
k_TrqLOA_SteerRatio_Uis_i52 k_TrqLOA_UndersteerGrad_RadpG_f32	0.25
k TrgLOA 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_UIs_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]	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_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_UIs_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_Uis_u1p15[6][1] t2_TrqLOA_DiffGainY_Uis_u1p15[6][2]	9503
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	9830
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	6554
t2 TrgLOA 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]	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





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_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_LatAccelVal	lid_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_Igc	target_TrqLOA_Per1_MotAgLoaM	ItgtnEn_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_	MtrRadpS_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_	HwDeg_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOAAva	il_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmo		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSpec		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpec		
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 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	
TrqLOA_LatAccelSV_g_M_Str.SV_UIs_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	
angot_rideon_rer_rideonome_wattam_loz.value	-1.1010000	-1.10100000 ± 0.01	

Test Step 3.6 (Repeat Count = 1)		<b>✓</b>
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_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] t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	32768 32768
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	32768
t2_TrqLOA_DiffGainY_UIs_u1p15[7][3]	32768 32768
t_TrqLOA_DiffGainX_G_u2p14[0] t_TrqLOA_DiffGainX_G_u2p14[1]	32768
t_TrqLOA_DiffGainX_G_u2p14[2]	32768
t_TrqLOA_DiffGainX_G_u2p14[3]	32768
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	0
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	0
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	0
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[3]	0
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	0
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	32768
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	32768
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2] t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	32768 32768
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	32768
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	20480
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	21299
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	24576
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	25395
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	28672
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	29491
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	32768
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	33587
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	11469
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1] t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	19251 21709
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2] t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	19661
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	24986
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	26624
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	31539
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	29901
	6208
t_TrqLOA_X_Kph_u10p6[0]	

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Name	Input Value		
t_TrqLOA_X_Kph_u10p6[2]	6336	6336	
t_TrqLOA_X_Kph_u10p6[3]	6400	6400	
t_TrqLOA_X_Kph_u10p6[4]	6464		
t_TrqLOA_X_Kph_u10p6[5]	6528		
t_TrqLOA_X_Kph_u10p6[6]	6592		
t_TrqLOA_X_Kph_u10p6[7]	6656		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthor	ity_Uls_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecSq	_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelValid_Cn	t_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMtgtnEr	n_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrRa	dpS_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_HwDe	g_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOAAvail_Cnt_Igc	target_TrqLOA_Per1_TrqLOAAvail_Cnt	_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmd_MtrN	lm_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSpeedValid	d_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpeed_Kp	h_f32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0.825533628		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	0.187185764		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	1		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	1207.13953		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	863.729614		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	0		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	157.958984		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0	0	<b>✓</b>
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	<b>✓</b>
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	<b>✓</b>

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_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc
target Rte Inst Ap TrqLOA.TrqLOA Per1 VehicleSpeed Kph f32	target TrqLOA Per1 VehicleSpeed Kph f32
target TrqLOA Per1 HandwheelAuthority Uls f32.value	0.200104475
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	-4.82459116
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	1
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	0
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	-1454.8761
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	67.0191269
	1
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1

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

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

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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		
_ , , , , ,	1280		
t_TrqLOA_X_Kph_u10p6[3]	1344		
t_TrqLOA_X_Kph_u10p6[4]			
t_TrqLOA_X_Kph_u10p6[5]	1408		
t_TrqLOA_X_Kph_u10p6[6]	1472		
t_TrqLOA_X_Kph_u10p6[7]	1536		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_Handwheel/		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_Mp8		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_Igc	target_TrqLOA_Per1_LatAccelVal		
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_TrqLOAAva	il_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACmo	d_MtrNm_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc	target_TrqLOA_Per1_VehicleSpee	edValid_Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpee	ed_Kph_f32	
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	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_UIs_f32	0.192544758	0.192544758 ± 0.01	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	0	0 ± 0.01	
TrqLOA TloaCmd MtrNm M f32	0	0 ± 0.01	
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	-0.701994181	-0.701994181 ± 0.01	
target TrqLOA Per1 TrqLOAAvail Cnt Igc.value	1	1	
anget_nqton_i or i_nqtonnvaii_ont_igo.value	· ·		

Test Step 3.9 (Repeat Count = 1)		<b>✓</b>
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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Nama	Input Value
Name	Input Value 4.55265713
k_TrqLOA_LatAccConversionFactor_Uls_f32 k_TrqLOA_LimOutput_MtrNm_f32	4.55209713 5.21092319
k_TrqLOA_Limoutput_mitnin_i32 k_TrqLOA_MaxScaleFactor_Uls_f32	0.378737688
k_TrqLOA_MinScaleFactor_Uls_f32	1
k TrgLOA NomDrvTrg MtrNm f32	8.80000019
k TrgLOA 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_UIs_u1p15[0][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	6226
t2_TrqLOA_DiffGainY_UIs_u1p15[1][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	4915
t2_TrqLOA_DiffGainY_UIs_u1p15[3][3]	6226
t2_TrqLOA_DiffGainY_UIs_u1p15[4][0]	655 2458
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1] t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	4915 6226
t2_TrqLOA_DiffGainY_UIs_u1p15[4][3]	655
t2_TrqLOA_DiffGainY_UIs_u1p15[5][1]	2458
t2_TrqLOA_DiffGainY_UIs_u1p15[5][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	6226
t2_TrqLOA_DiffGainY_UIs_u1p15[7][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	2458
t2_TrqLOA_DiffGainY_UIs_u1p15[7][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	6226
t_TrqLOA_DiffGainX_G_u2p14[0]	10486
t_TrqLOA_DiffGainX_G_u2p14[1]	11469
t_TrqLOA_DiffGainX_G_u2p14[2]	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 9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1] t TrqLOA HighSpeedTrqBlend Y Uls u1p15[2]	13107
t_rrqLOA_HighSpeed1rqBlend_Y_Uis_u1p15[2] t_TrqLOA_HighSpeedTrqBlend_Y_Uis_u1p15[3]	13107
t_rrqLOA_HighSpeedTrqBlend_Y_Uis_u1p15[3] t_TrqLOA_HighSpeedTrqBlend_Y_Uis_u1p15[4]	19661
t_TrqLOA_nightspeed frqbierid_f_ois_u1p15[4]	53248
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	54067
t TrqLOA_LatAccGain Y MtrNmpG u4p12[2]	56115
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	56934
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	58163
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	60211
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	60621
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	61030
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	5734
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	10650
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	15974
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	16794
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	19251
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	20890
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	22938
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	
	24166
t_TrqLOA_X_Kph_u10p6[0]  t_TrqLOA_X_Kph_u10p6[1]	24166 7744 7808

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Name	Input Value			
t_TrqLOA_X_Kph_u10p6[2]	7872			
t_TrqLOA_X_Kph_u10p6[3]	7936	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	uthority_Uls_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSe	ecSq_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelValid	I_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMt	gtnEn_Cnt_lgc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_M	/trRadpS_f32		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_RelHwPos_HwDeg_f32	target_TrqLOA_Per1_RelHwPos_H	target_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	target_TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpeed	target_TrqLOA_Per1_VehicleSpeed_Kph_f32		
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	1	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	<b>✓</b>	
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.250011116	0.250011116 ± 0.01	<b>✓</b>	
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	<b>✓</b>	
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	0.774724126
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.10000001
TrqLOA_LatAccelSV_g_M_Str.K_Uls_f32	0.0489999987
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	-7.1575346
TrqLOA_TloaCmd_MtrNm_M_f32	-6
FrqLOA_TrqBasedScaleFactor_Uls_M_f32	2
c_TrqLOA_AbsAssistThreshold_MtrNm_f32	3.2461462
c_TrqLOA_AbsVelThreshold_MtrRadpS_f32	481.298553
x_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
<pre>&lt;_TrqLOA_MaxScaleFactor_Uls_f32</pre>	1
<pre>&lt;_TrqLOA_MinScaleFactor_Uls_f32</pre>	0.219910979
<pre>&lt;_TrqLOA_NomDrvTrq_MtrNm_f32</pre>	5.00554752
<pre>&lt;_TrqLOA_RisingRampRate_UlspS_f32</pre>	222.336975
<pre>&lt;_TrqLOA_SteerRatio_Uls_f32</pre>	90.237648
k_TrqLOA_UndersteerGrad_RadpG_f32	0.25
<_TrqLOA_Wheelbase_M_f32	7.58481121
2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	655
2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[0][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[1][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[2][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	4915
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	6226
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	655
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	2458
t2_TrqLOA_DiffGainY_Uls_u1p15[3][2]	4915

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





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	<b>✓</b>
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	✓
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0	0 ± 0.01	<b>✓</b>

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_UIs_u1p15[2][0]	32768
t2_TrqLOA_DiffGainY_UIs_u1p15[2][1]	32768
t2_TrqLOA_DiffGainY_UIs_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_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]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	32768
t2_TrqLOA_DiffGainY_UIs_u1p15[5][3]	32768
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0] t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	32768 32768
t2_TrqLOA_DiffGainY_Uis_u1p15[6][1] t2_TrqLOA_DiffGainY_Uis_u1p15[6][2]	32768
t2_TrqLOA_DiliGainY_Uis_u1p15[6][2] t2_TrqLOA_DiffGainY_Uis_u1p15[6][3]	32768
t2_frqLOA_biliGainY_bis_u1p15[0][3] t2_frqLOA_bilifGainY_Uls_u1p15[7][0]	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
t_TrqLOA_DiffGainY_Gis_u1p15[7][5]	32768
t_TrqLOA_DiffGainX_G_u2p14[0]	32768
t_TrqLOA_DiffGainX_G_u2p14[1]	32768
t_TrqLOA_DiffGainX_G_u2p14[2]	32768
t_TrqLOA_binGainX_G_uzp14[3]  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
Cdeev C.uanobeeadepond_vC.thuTa.toho[o]	2000

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Name	Input Value		
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	25600		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	32768		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	32768		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	32768		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	32768		
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	32768		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	61440		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	61440		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	61440		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	61440		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	61440		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	61440		
t TrqLOA LatAccGain Y MtrNmpG u4p12[6]	61440		
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	61440		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	36045		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	36045		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	36045		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	36045		
t TrqLOA TempTrqCmdSatYTbl MtrNm u4p12[4]	36045		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	36045		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6]	36045		
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	36045		
t_TrqLOA_X_Kph_u10p6[0]	25600		
t_TrqLOA_X_Kph_u10p6[1]	25600		
t TrqLOA X Kph u10p6[2]	25600		
	25600		
t_TrqLOA_X_Kph_u10p6[3]	25600		
t_TrqLOA_X_Kph_u10p6[4]			
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_Handwhee		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_Mp		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_Igc	target_TrqLOA_Per1_LatAccelVa		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_Igc	target_TrqLOA_Per1_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_TrqLOAAv		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_TrqLOACmd_MtrNm_f32	target_TrqLOA_Per1_TrqLOACn		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeedValid_Cnt_Igc	target_TrqLOA_Per1_VehicleSpe		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpe	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	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_UIs_f32	0.671402872	0.671402872 ± 0.01	
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	1.27943039	1.2794311 ± 0.01	
TrgLOA 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)		<b>✓</b>
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	





Name	Input Value
k_TrqLOA_LatAccConversionFactor_Uls_f32	1.3288663
k_TrqLOA_LimOutput_MtrNm_f32	0.718581259
k TrgLOA MaxScaleFactor Uls f32	0.774256825
k_TrqLOA_MinScaleFactor_Uls_f32	0.954615474
k_TrqLOA_NomDrvTrq_MtrNm_f32	0.232903108
k_TrqLOA_RisingRampRate_UlspS_f32	62.9472733
k_TrqLOA_SteerRatio_Uls_f32	96.6698685
k_TrqLOA_UndersteerGrad_RadpG_f32	0.25
k_TrqLOA_Wheelbase_M_f32	17.6621571
t2_TrqLOA_DiffGainY_Uls_u1p15[0][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[0][1]	19333
t2_TrqLOA_DiffGainY_UIs_u1p15[0][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[0][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[1][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[1][1]	19333 21299
t2_TrqLOA_DiffGainY_UIs_u1p15[1][2]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[1][3] t2_TrqLOA_DiffGainY_Uls_u1p15[2][0]	17367
t2_TrqLOA_DiliGainY_Uls_u1p15[2][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[2][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[2][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[3][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[3][1]	19333
t2_TrqLOA_biffGainY_Uls_u1p15[3][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[3][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[4][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[4][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[4][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[4][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[5][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[5][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[5][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[5][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[6][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[6][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[6][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[6][3]	26214
t2_TrqLOA_DiffGainY_Uls_u1p15[7][0]	17367
t2_TrqLOA_DiffGainY_Uls_u1p15[7][1]	19333
t2_TrqLOA_DiffGainY_Uls_u1p15[7][2]	21299
t2_TrqLOA_DiffGainY_Uls_u1p15[7][3]	26214
t_TrqLOA_DiffGainX_G_u2p14[0] t TrqLOA DiffGainX G u2p14[1]	8684 9667
t_TrqLOA_DiffGainX_G_u2p14[2]	10650
t_TrqLOA_DiffGainX_G_u2p14[3]	13107
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[0]	6720
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[1]	7040
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[2]	7360
t TrqLOA HighSpeedTrqBlend X Kph u10p6[3]	7680
t_TrqLOA_HighSpeedTrqBlend_X_Kph_u10p6[4]	8000
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[0]	3277
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[1]	6554
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[2]	9830
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[3]	13107
t_TrqLOA_HighSpeedTrqBlend_Y_Uls_u1p15[4]	16384
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[0]	4096
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[1]	4915
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[2]	8192
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[3]	9011
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[4]	12288
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[5]	13107
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[6]	16384
t_TrqLOA_LatAccGain_Y_MtrNmpG_u4p12[7]	17203
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[0]	7373
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[1]	13107
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[2]	17613
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[3]	17613
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[4]	20890
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[5]	22528 25395
t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[6] t_TrqLOA_TempTrqCmdSatYTbl_MtrNm_u4p12[7]	25805
t_IrqLOA_Temp1rqCmdSatY1bi_mtrNm_u4p12[7] t_TrqLOA_X_Kph_u10p6[0]	2112
t_TrqLOA_X_Kph_u10p6[1]	2176
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Name	Input Value		
t_TrqLOA_X_Kph_u10p6[2]	2240		
t_TrqLOA_X_Kph_u10p6[3]	2304		
t_TrqLOA_X_Kph_u10p6[4]	2368		
t_TrqLOA_X_Kph_u10p6[5]	2432		
t_TrqLOA_X_Kph_u10p6[6]	2496		
t_TrqLOA_X_Kph_u10p6[7]	2560		
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_HandwheelAuthority_Uls_f32	target_TrqLOA_Per1_HandwheelAuthority	_Uls_f32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAcc_MpSecSq_f32	target_TrqLOA_Per1_LatAcc_MpSecSq_f3	32	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_LatAccelValid_Cnt_lgc	target_TrqLOA_Per1_LatAccelValid_Cnt_lq	gc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc	target_TrqLOA_Per1_MotAgLoaMtgtnEn_0	Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32	target_TrqLOA_Per1_MtrVelCRF_MtrRadp	oS_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_0	Cnt_lgc	
target_Rte_Inst_Ap_TrqLOA.TrqLOA_Per1_VehicleSpeed_Kph_f32	target_TrqLOA_Per1_VehicleSpeed_Kph_f32		
target_TrqLOA_Per1_HandwheelAuthority_Uls_f32.value	0.603896022		
target_TrqLOA_Per1_LatAcc_MpSecSq_f32.value	6.27994013		
target_TrqLOA_Per1_LatAccelValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_MotAgLoaMtgtnEn_Cnt_lgc.value	0		
target_TrqLOA_Per1_MtrVelCRF_MtrRadpS_f32.value	143.502243		
target_TrqLOA_Per1_RelHwPos_HwDeg_f32.value	1000		
target_TrqLOA_Per1_VehicleSpeedValid_Cnt_lgc.value	1		
target_TrqLOA_Per1_VehicleSpeed_Kph_f32.value	469.321564		
Name	Actual Value	Expected Value	Result
TrqLOA_LatAccScaleFactor_Uls_M_f32	0.910319865	0.910319865	~
TrqLOA_LatAccelSV_g_M_Str.SV_Uls_f32	0.305908352	0.305908352 ± 0.01	~
TrqLOA_ScaledMtrTrqCmd_MtrNm_M_f32	1.16507566	1.16507542 ± 0.01	•
TrqLOA_TloaCmd_MtrNm_M_f32	0.718581259	0.718581259 ± 0.01	•
TrqLOA_TrqBasedScaleFactor_Uls_M_f32	0.954615474	0.954615474 ± 0.01	~
target_TrqLOA_Per1_TrqLOAAvail_Cnt_lgc.value	0	0	~
target_TrqLOA_Per1_TrqLOACmd_MtrNm_f32.value	0.718581259	0.718581259 ± 0.01	•

TrqLOA\_Init1

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Project	TrqLOA
Module	TrqLOA
Test Object	TrqLOA_Init1

#### **Instrumentation: Test Object Only**

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

#### **Statistics**

<b>Total Testcases</b>	1	
Successful	1	~
Failed	0	
Not Executed	0	

#### **Module Properties**

Project Root Directory	D:\Synergy_Work_Area\TrqLOA_SF48A
Configuration File	\$(PROJECTROOT)\UnitTestEnv\config\TMS570_GCC_UDE_CCS4_Config.xml
Target Environment	TI TMS 570 PLS UDE (Default)
Kind of Test	Unit Test
Linker Options	
Source File(s)	
File	\$(PROJECTROOT)\TrqLOA\src\Ap_TrqLOA.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -I\$(PROJECTROOT)\TrqLOA\utp\Contract -I\$(PROJECTROOT)\TrqLOA\utp\Contract\Ap_TrqLOA -I\$ (PROJECTROOT)\StdDef\underlinclude -I\$(PROJECTROOT)\NxtrLib\underlinclude -I\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler \tms470_4.9.5\underlinclude
File	\$(PROJECTROOT)\NxtrLib\src\interpolation.c
Compiler Options	-D_DATA_ACCESS= -Dconst= -I\$(PROJECTROOT)\TrqLOA\utp\Contract -I\$(PROJECTROOT)\TrqLOA\utp\Contract\Ap_TrqLOA -I\$ (PROJECTROOT)\StdDef\underlinclude -I\$(PROJECTROOT)\NxtrLib\\underlinclude -I\$(ProgramFiles)\Texas Instruments\ccsv4\tools\compiler \tms470_4.9.5\\underlinclude

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

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Workspace File D:\Synergy\_Work\_Area\TrqLOA\_SF48A\UnitTestEnv\config\UDE\_TMS570\_DEBUG.WSP

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



#### Test Case 1: Boundary Test

Specification

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

CPU Cycles:

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

Description Vector Description:

TS1.1All Min

TS1.1All Min
TS1.2All Max
TS1.3k\_TrqLOA\_LPF\_Hz\_f32=Min
TS1.4k\_TrqLOA\_LPF\_Hz\_f32=Max
TS1.5k\_TrqLOA\_LPF\_Hz\_f32=Mid
TS1.6TrqLOA\_LatAccelSV\_g\_M\_Str.K=Min
TS1.7TrqLOA\_LatAccelSV\_g\_M\_Str.K=Max
TS1.8TrqLOA\_LatAccelSV\_g\_M\_Str.K=Mid

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

Test Step 1.2 (Repeat Count = 1)			<b>✓</b>
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	<b>✓</b>

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

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

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

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TrqLOA\_Init1

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

Test Step 1.7 (Repeat Count = 1)			<b>✓</b>
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)			<b>✓</b>
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	~